

## **PLASTIC**

These products are meticulously constructed from high-quality plastic, ensuring durability and reliability for a wide range of applications.



## 40AC PB16 ACETAL INSERT THREADED ELBOW

40 Series Insert, 90-degree, 1/4 Inch Pipe Thread

Available with and w/o Shut off.

NON-VALVED	VALVED	THREAD	LENGTH	WIDTH
40AC-PB16-04	40ACV-PB16-04	1/4	1.20NV/1.35 V	.70

## MPV-L SERIES | MEDICAL GRADE LUER CHECK VALVES

Our MPV Luer Series Medical Grade Plastic Check Valves are manufactured, assembled, produced, 15 psi tested, and pre-packaged in a Class 7 Cleanroom environment

Check valves Made of Polypropylene, Polycarbonate, Radiation-Stable Polycarbonate, and Kynar 720®.

**4 Main Connector Options:** Male Inlet Luer with Rotating Collar to Female Luer, Male Inlet Rotating Collar to Male Rotating Collar, Female Inlet Luer Lock to Female Luer Lock, Female Inlet Luer Lock to Male Slip, Barb to \*\*\*

**Diaphragm Options:** Silicone

**Flow Direction:** Inlet to Outlet

\*\*\*Custom Options: These Luers can be manufactured to fit with any of our Barb Connectors on the opposing end.

Barb Size options: 1/8 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch

SKU	Description
MPV-FLL-PC-S	IN: Female Luer OUT: Female Luer
MLLR-PC-S	IN: Male Luer OUT: Male Luer w/Rotating Collar
FLL-MLLR-PC-S	IN: Female Luer OUT: Male Luer w/ Rotating Collar
MLLR-FLL-PC-S	IN: Male Luer Out: Female Luer

## DMF SERIES - FLOW CONTROL VALVES



DMF Series is an aluminum Flow Control Valve for air and oil. Its maximum working pressure is 250 psi, and its temperature range is -40°F to 250°F. Also, the sizes available are 1/4-28 Male/Female and 1/8", 1/4", 3/8", and 1/2" Female NPT. These valves control flow in one direction and allow free flow in the opposite direction.

SKU	DESCRIPTION
DMF-2F	1/8" FNPT Aluminum Flow Control Valve
DMF-4F	1/4" FNPT Aluminum Flow Control Valve
DMF-6F	3/8" FNPT Aluminum Flow Control Valve
DMF-8F	1/2" FNPT Aluminum Flow Control Valve

## LTC SERIES - CLIPS



Acetal Clips are used with push-in fittings to secure the tubing from disconnecting. Used with Acetal and Polypropylene push-to-connect fittings in the food and beverage industry. for water and beverage dispensing. The outside dimensions of the tubing for these clips are 1/4", 5/16", 3/8", and 1/2". The temperature range is -4° F to 150° F. The pressure range is 145 psi to 230 psi. They are available in various colors; Red or Blue, also in metric sizes.

SKU	DESCRIPTION
LTC-3B	3/16" OD Acetal Locking Clip
LTC-4B	1/4" OD Acetal Locking Clip
LTC-5B	5/16" OD Acetal Locking Clip
LTC-6B	3/8" OD Acetal Locking Clip
LTC-8B	1/2" OD Acetal Locking Clip
LTC-5M	5 mm OD Acetal Locking Clip
LTC-8M	8 mm OD Acetal Locking Clip
LTC-10M	10 mm OD Acetal Locking Clip
LTC-12M	12 mm OD Acetal Locking Clip
LTC-15M	15 mm OD Acetal Locking Clip

## TCC SERIES



TCC Series Plastic Tube Clips are available for 3/8", 1/4", or 1/2" OD tubing and are sold as a single clip of 6, 7, or 10 channels. Also, they can be mounted with screws on each end. Furthermore, they can also be cut for custom installations.

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SKU	DESCRIPTION
TCC-14-2	1/4" 2 Channel
TCC-38-7	3/8" 7 Channel
TCC-38-10	3/8" 10 Channel
TCC-12-6	1/2" 6 Channel

## PCR SERIES



PCR Series Tube Racks come with 5, 7, or 10 channels to accommodate OD tubing sizes of 1/4", 5/32", or 3/16" with the ability to be separated into smaller sections. In addition, the Tube Racks come in an assortment of colors with Black being standard. Furthermore, they can be mounted with screws or purchased with an adhesive backing.



## MAN SERIES



This manifold comes in a variety of metals and plastics and is available in 2, 4, 6, 8, and 10 outlet ports. Equal inlet and outlet on the ends of the manifold with a Step-down size port for the side outlets.

SKU	DESCRIPTION
MAN5-12-AL	Aluminum 1/2" Inlet by Five 3/8" Outlet Manifold
MAN6-38-P	Polypropylene 1/2" Inlet by Six 3/8" Outlet Manifold
MAN8-12-AL	Aluminum 1/2" Inlet by Eight 3/8" Outlet Manifold
MAN8-38-ACN	Natural Acetal 1/2" by Eight 3/8" Outlet Manifold
MAN8-38-AL	Aluminum 3/8" Inlet by Eight 1/2" Outlet Manifold
MAN8-38-P	Natural Polypropylene 1/2" Inlet by Eight 3/8" Outlet Manifold

## PSSV SERIES



Our **PSSV Series, Self-sealing Check Valves**, are made from either Polycarbonate or Polypropylene housings with Barb connector sizes for 3/16 inch ID tubing or 5/16 inch ID tubing. The product is made in a class 7 clean room. The seal is a retractable silicone disk that prevents back-flow in several air and liquid applications making it an ideal option for the Medical Industry for air applications including respiratory, ventilator, bio-pharmaceutical. The product can also be used with fluid applications for the medical devices. Designed for pressures under 50 PSI. All material are compatible with Gamma Sterilization 6 Mrads, and ETO Sterilization.

Additional product materials are Radiation Stable Polycarbonate and PVDF. Optional sealing material is EPDM with qualifying volumes. Additional barb sizes, Male and Female Luer connections and Bond-in connections can be designed and provided with quantity volumes.

- *Open pressure is approximately .20 PSI*
- *Flow is 56.29 l/h*
- *Crack Pressure is .001 PSI*

[View our Flyer Here](#)

SKU	Description
PSSV-3B-PP	3/16 inch by 3/16 inch Polypropylene Barbed Self-Sealing Check Valve
PSSV-3B-PC	3/16 inch by 3/16 inch Polycarbonate Barbed Self-Sealing Check Valve
PSSV-5B-PP	5/16 inch by 5/16 inch Polypropylene Barbed Self-Sealing Check Valve
PSSV-5B-PC	5/16 inch by 5/16 inch Polycarbonate Barbed Self-Sealing Check Valve
PSSV-5B3B-PP	5/16 inch by 3/16 inch Polypropylene Barbed Self-Sealing Check Valve
PSSV-5B3B-PC	5/16 inch by 3/16 inch Polycarbonate Barbed Self-Sealing Check Valve

## KT SERIES



The KT Series is a flexible PVDF tubing suitable for use with flare and compression fittings. This tubing is resistant to many commonly used industrial fluids and gasses, including ozone, and does not support the growth of fungi and bacteria. In addition, PVDF material is UV-resistant and FDA-compliant. It can be used with water disinfection involving ozone, aquariums, spas, and pools and is also recommended for agriculture, food, beverage, and water purification applications. Furthermore, we offer several standard sizes as well as custom sizes upon request.

### Applications

- Metal Preparation
- Food & Beverage
- Petrochemical Processing
- High Purity Semiconductor
- Water Purification
- Chemical Process
- Nuclear Waste
- Ultra-Pure Water Process Systems
- Pulp & Paper
- Aquarium
- Pool & Spa

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SKU	DESCRIPTION
KT-11618	1/16 ID 1/8 OD PVDF Tubing
KT-1438	1/4 ID 3/8 OD PVDF Tubing
KT-1714	.170 ID 1/4 OD PVDF Tubing

SKU	DESCRIPTION
KT-1814	1/8 ID 1/4 OD PVDF Tubing
KT-31614	3/16 ID 1/4 OD PVDF Tubing
KT-316516	3/16 ID 5/16 OD PVDF Tubing
KT-3812	3/8 ID 1/2 OD PVDF Tubing
KT-51638	5/16 ID 3/8 OD PVDF Tubing
KT-516716	5/16 ID 7/16 OD PVDF Tubing
KT-18316	1/8 ID 3/16 OD PVDF Tubing
KT-17014	.170 ID 1/4 OD PVDF Tubing
KT-71612	7/16 ID 1/2 OD PVDF Tubing
KT-1258	1/2 ID 5/8 OD PVDF Tubing
KT-5834	5/8 ID 3/4 OD PVDF Tubing
KT-3478	3/4 ID 7/8 OD PVDF Tubing
KT-781	7/8 ID 1 inch OD PVDF Tubing
KT-53214	5/32 ID 1/4 OD PVDF Tubing
KT-46M	4mm ID 6 mm OD PVDF Tubing
KT-68M	6 mm ID 8 mm OD PVDF Tubing
KT-68M	6 mm ID 8 mm OD PVDF Tubing
KT-810M	8 mm ID 10 mm OD PVDF Tubing

## AF-I SERIES



These female NPT barb fittings are available in Nylon and polypropylene. Sizes available include 1/8" FNPT to 1/8" Barb, 1/4" FNPT to 1/4" Barb, 1/4" FNPT to 1/8" barb and 1/8" FNPT to barb.



## CH-O SERIES

CH-O Series multi-barbed connector is offered in Nylon material. In addition, the sizes offered are 1/4" 3/8" 1/2" 5/8" 3/4", and 1-inch configurations.

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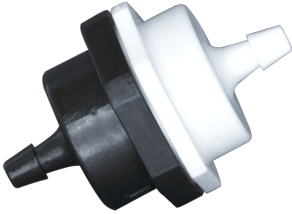


## 2WBV SERIES

This Ball Valve is made of white Polypropylene with EPDM O-rings. It is a 1/4 turn from open to closed. Also, the maximum pressure is 150 psi and the temperature range is 33 F to 140 F. To be used with potable water, it is not suitable for inert gases or air. Furthermore, one end is male NPT threaded and the other end is a socket fitting.

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## **SINGLE OR MULTI-BARB CHECK VALVE**



This check valve is made of either white polypropylene, natural Nylon, or black or natural Kynar®. It is available with a Buna-N, EPDM, or Viton® seal. It has a 302 stainless steel spring. The cracking pressure is .25 or 1 psi. The maximum pressure is 125 psi and the maximum operating temperature is 140°F. The ports can be single or multi-barbed.

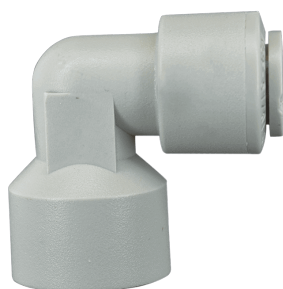
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## **FME SERIES**



FME Series is a female-to-male street Elbow. In addition, this elbow is made of natural Nylon or Polypropylene.

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## PFE SERIES

PFE Series is a Push-to-connect fitting to a female pipe thread (FNPT) in a Fixed Elbow configuration. Also, push-to-connect sizes range from 1/4" or 3/8" with female pipe threads of 3/8" or 1/4". This fitting is available in gray Acetal, PVDF, and white Polypropylene. It is suitable for liquids and inert gases.

SKU	DESCRIPTION
PFE-4F4	1/4 FNPT by 1/4 OD Elbow Push-to-Connect Elbow
PFE-6F4	3/8 FNPT by 1/4 OD Elbow Push-to-Connect Elbow
PFE-6F6	3/8 FNPT by 3/8 OD Elbow Push-to-Connect Elbow



## VC-TB SERIES

VC-TB Series is a single-barb, triple-leg vacuum connector. It is made of natural Nylon and has 5 equal barbs of 3/16".

SKU	DESCRIPTION
VC-TB-3B	3/16 Barb Triple Leg Vacuum Connector

## AT-S SERIES



AT-S Series is an Adapter Tee available in black and white Nylon, black Polypropylene, and PVDF. There is straight male 10-32 UNF threads, male 1/8" NPT threads, and tapered 10-32 UNF threads. The barb sizes are 1/16" 3/32", 1/8", 3/16", and 1/4".

SKU	DESCRIPTION
AT-S-101B	10-32 Male UNF by 1/16 Barb Adapter Tee
AT-S-102B	10-32 Male UNF by 1/8 Barb Adapter Tee
AT-S-10T1B	10-32 Taper by 1/16 Adapter Tee
AT-S-10T2B	10-32 Taper by 1/8 Barb Adapter Tee
AT-S-10T332B	10-32 Taper by 3/32 Barb Adapter Tee
AT-S-102B	10-32 Male UNF by 1/8 inch Barb Adapter Tee
AT-S-2M3B	1/8 MNPT by 3/16 Barb Adapter Tee

## PP SERIES



These PBT Plugs block off push-to-connect ports. The working pressure is 150 psi and the temperature range is 32° F to 140° F. For use with compressed air and inert gases.

SKU	DESCRIPTION
PP-12	1/2 PBT Push-to-Connect Plug
PP-14	1/4 PBT Push-to-Connect Plug
PP-316	3/16 PBT Push-to-Connect Plug
PP-38	3/8 PBT Push-to-Connect Plug
PP-516	5/16 Brass Push-to-Connect Plug
PP-532	5/32 PBT Push-to-Connect Plug
PP-6M	6 mm PBT Push-to-Connect Plug



## SFE SERIES

SFE Series is an Elbow adapter made of PVC and can be used for irrigation and O.E.M. applications. There is a wide variety of configurations available for use with Polyethylene pipe sizes 1/2" through 2". Also, it conforms to ASTM D 2609 and is NSF-certified for use with potable water. Female NPT thread sizes are 1/2", 3/4", 1", 1-1/4", 1-1/2" and 2". Furthermore, Barb sizes range from 1/2" to 1-1/2".

## PUM SERIES



The PUM Series is a straight line Manifold with equal or reducing push-to-connect ports. It is also available with male NPT threads on the in-port.

SKU	DESCRIPTION
PUM-14	1/4 In/Out and 3 1/4 Ports Manifold
PUM-14532	1/4 In/Out and 3 5/32 Ports Manifold
PUM-18	1/8 In/Out and 3 1/8 Ports Manifold
PUM-3814	3/8 In/Out and 3 1/4 Ports Manifold
PUM-38516	3/8 In/Out and 3 5/16 Ports Manifold
PUM-516	5/16 In/Out and 3 5/16 Ports Manifold
PUM-51614	5/16 In/Out and 3 1/4 Ports Manifold
PUM-516316	5/16 In/Out and 3 3/16 Ports Manifold
PUM-516532	5/16 In/Out and 3 5/32 Ports Manifold
PUM-532	5/32 In/Out and 3 5/32 Ports Manifold
PUM-532185	5/32 In/Out and 3 1/8 Ports Manifold
PUM-2M532	1/8 MNPT In 5/32 Out and 3 5/32 Ports Manifold
PUM-2M532-316	1/8 MNPT In 5/32 Out and 3 3/16 Ports Manifold
PUM-4M316-516	1/4 MNPT In 5/16 Out and 3 5/16 Ports Manifold
PUM-4M516-38	1/4 MNPT In 5/16 Out and 3 3/8 Ports Manifold
PUM-4M532-14	1/4 MNPT In 5/32 Out and 3 1/4 Ports Manifold



SKU	DESCRIPTION
PUM-4M532-316	1/4 MNPT in 5/32 Out and 3 3/16 PortsManifold
PUM-4M532-516	3/8 MNPT In 1/4 Out and 3 5/16 Ports Manifold
PUM-6M14-516	3/8 MNPT In 1/4 Out and 3 5/16 Ports Manifold
PUM-8M516-38	1/2 MNPT In 5/16 Out and 3 3/8 Ports Manifold
PUMR-14532	1/4 In/out with 3- 5/32 Ports Reducer Manifold



## TL SERIES

TL Series, a meticulously crafted plastic thumb latch, seamlessly combines form and function. 5/32 size available.



## USTA SERIES

USTA Series is a Male UNF straight thread Adapter with 5/32" barbs. This product is made out of Acetal.

SKU	DESCRIPTION
USTA-1220-POM	1/2-20 UNF Thread by 5/32 Barb Acetal
USTA-3824-POM	3/8-24 UNF Thread by 5/32 Barb Acetal
USTA-71624-POM	7/16-24 UNF Thread by 5/32 Barb Acetal
USTA-91618-POM	9/16-18 UNF Thread by 5/32 Barb Acetal

## CRV SERIES - CARTRIDGE INSERT VALVES



These Cartridge Insert Valves can be installed into tubing lines or glued into manifolds. The optional housing materials are Nylon, Polypropylene, Acrylic, Acetal, PVDF, and Polycarbonate. Springs are 316 Stainless Steel or Hastelloy® (1/2 psi). O-Rings are of Buna-N, EPDM, FKM, Silicone and Kalrez. Available sizes are 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4" OD. Standard crack pressure for all valves except 3/4" OD is 3" H<sub>2</sub>O 0.1 psi, 5 psi, or 1.5 psi.

SKU	DESCRIPTION
CRV-12-11-PPB	1/2" Polypropylene / Buna Seals 11 psi Insert Valve
CRV-14-10PPE	1/4" Polypropylene / EPDM 10 psi Insert Valve
CRV-14-3-PPE	1/4" Polypropylene / EPDM 3 psi Insert Valve
CRV-14-PB-.5	1/4" Polypropylene / Buna .5 psi Insert Valve
CRV-14-PB-1	1/4" Polypropylene / Buna 1 psi Insert Valve
CRV-14-PB-1.5	1/4" Polypropylene / Buna 1.5 psi Insert Valve
CRV-14-PB-2	1/4" Polypropylene / Buna 2 psi Insert Valve
CRV-14-PE-.1	1/4" Polypropylene / EPDM .1 psi Insert Valve
CRV-14-PV-.1	1/4" Polypropylene / FKM .1 psi Insert Valve
CRV-14-PV-.5	1/4" Polypropylene / FKM .5 psi Insert Valve
CRV-14-PV-1	1/4" Polypropylene / FKM 1 psi Insert Valve
CRV-14-PV-10	1/4" Polypropylene / FKM 10 psi Insert Valve
CRV-14-PV-2	1/4" Polypropylene / FKM 2 psi Insert Valve
CRV-14-PV-5	1/4" Polypropylene / FKM 5 psi Insert Valve
CRV-38-2-PPV	3/8" Polypropylene / FKM 2 psi Insert Valve
CRV-38-PB-7.5 WC	3/8" Polypropylene / Buna 7.5 WC Insert Valve
CRV-38-PPB-1	3/8" Polypropylene / Buna 1 psi Insert Valve
CRV4-1/10-NB	1/4" 1/10 Nylon / Buna Insert Valve
CRV4-1/2H-PPV	1/4" 1/2# Hastelloy® Polypropylene / FKM O-Ring Insert Valve
CRV4-10PPE	1/4" 10# Polypropylene / EPDM Insert Valve
CRV4-4PPB	1/4" 4# Polypropylene / Buna Insert Valve
CRV-4-P-V-.5	1/4" Polypropylene / FKM .50 psi Insert Valve
CRV-4-P-V-1	1/4" Polypropylene / FKM 1 psi Insert Valve
CRV-4-PV-6WC	1/4" Polypropylene / FKM 6 inch WC Insert Valve
CRV-4-WP-V-.25	1/4" Polypropylene / FKM .25 psi Insert Valve
CRV-4-WP-V-.5	1/4" Polypropylene / FKM .50 psi Insert Valve
CRV532-14PC	5/32" 14# Polycarbonate Insert Valve
CRV-532-2.5PC	5/32" 2.5# Polycarbonate Insert Valve
CRV-532-2PC	5/32" 2# Polycarbonate Insert Valve
CRV532-4 P	5/32" 4# Polycarbonate Insert Valve

## ASAHI SERIES



These Lab valves for low pressure applications have an NSF61 PVC body with EPDM O rings. The lever handle provides precise fingertip control with a 90° turning radius. They have 1/4" NPT threads and hose barb tapers from 3/8" to 5/8". Rated for full vacuum, the pressure rating is 150 psi up to 120°F for many laboratories process control monitoring and fluid sampling uses. Also, these valves come in 7 configurations. They can be used for chemical processing, water, and wastewater. In addition, these valves are not FDA-compliant.

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## MS SERIES



This is a miniature stopcock made of high-density polypropylene. The key turns easily so no lubricant is needed, eliminating blockage of the bores with grease. This is not for pressurized lines.

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## **PV SERIES- PINCH VALVE**

PV Series is an Acetal pinch valve that controls the flow through by flexing tubing from zero to full flow. Since the fluid being delivered never comes in contact with the valve, there is no fear of contamination. In addition, this is a long-lasting reusable alternative to other fluid delivery valves. Furthermore, the body has an easy-to-read metered scale on the side for ease of use.

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## **3WBV SERIES**

These ball valves are made of FDA Polypropylene with Viton® O-rings and 316 stainless steel handles. All connections are female NPT threaded. In addition, the pressure rating is 150 psi at 73°F. They are designed for use with liquid, gas, and vacuum applications. Inlet and outlet sizes are 1/8", 1/4", 3/8", 1/2", and 3/4". Also available in PVDF with actuation. Also, they are available in 2-way, 4-position 3-way, and 2-position 3-way orientations.

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## 2WS SERIES



This easily mountable 2-way Stopcock is constructed from high-quality polypropylene and polyethylene, ensuring durability and reliability. It is designed to operate efficiently within a temperature range of 41°F to 104°F, making it suitable for various applications. Additionally, this stopcock can withstand a max pressure of 14.5 psi, providing robust performance under demanding conditions. In conclusion, its user-friendly design allows for quick and secure mounting, making it an ideal choice for residential and commercial use.



## 10AC PB2 SERIES NO SLEEVE

10AC PB2 Series is an Inline Hose Barb Plug, with a 1/16 Flow. The Barb sizes are 1/16 and 1/8 in Natural or Black Acetal. This product is made for use with vacuum lines. For use with the 10AC-S2 series Sockets.

NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB2-01NS	1/16" ID Acetal	1.6" MM ID	.75"	.32"	.32"
10AC-PB2-01NSBLK	1/16" ID Black Acetal	1.6" MM ID	.75"	.32"	.32"
10AC-PB2-02NS	1/8" ID Acetal	3.2" MM ID	.90"	.32"	.32"
10AC-PB2-02NSBLK	1/8" ID Black Acetal	3.2" MM ID	.90"	.32"	.32"

## 10AC PB2 ACETAL PLUG BARB



1/16 Flow Acetal quick coupler insert with Twist Lock Barrel design.  
Available 1/16 or 1/8 Barb

FDA/NSF Buna O-ring

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NON-VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-PB2-01	1/16" ID	1.6 MM ID	.75"	.48"	.48"
10AC-PB2-01BLK	1/16" ID	1.6 MM ID	.75"	.48"	.48"
10AC-PB2-02	1/8" ID	3.2 MM ID	.90"	.48"	.48"
10AC-PB2-02BLK	1/8" ID	3.2 MM ID	.90"	.48"	.48"

## 10AC S2 SERIES



Acetal Inline Hose Barb Socket with Twist Lock Barrel

1/16 and 1/8 Barb

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NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
10AC-S2-01	10ACV-SB2-01	1/16" ID	1.6 MM ID	.90	.48	.48
10AC-S2-01BLK	10ACV-SB2-01BLK	1/16" ID	1.6 MM ID	.90	.48	.48
10AC-S2-02	10ACV-SB2-02	1/8" ID	3.2 MM ID	.90	.48	.48
10AC-S2-02BLK	10ACV-SB2-02BLK	1/8" ID	3.2 MM ID	.90	.48	.48



## 20AC PB10 SERIES

20AC 1/8 Flow. Acetal Male Plug Elbows quick couplers. Compression sizes of 5/32 OD by .10 ID and 1/4 OD by .170 ID Poly tubing.

Nickel-plated brass nut.

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	L(nv/v)	WIDTH	HEIGHT
20AC-PB10-025	20ACV-PB10-025	5/32" OD, .10" ID	4.0 MM OD, 2.5 MM ID	1.09"/1.20"	.50"	.99"
20AC-PB10-04	20ACV-PB10-04	1/4 OD", .17" ID	6.4 MM OD, 4.3 MM ID	1.09"/1.20"	.50"	1.02"



## 50AC S2 SERIES

50AC All plastic Quick Coupler Body, Acetal Fitting, Three Barb sizes available, 1/4, 5/16, and 3/8. For use with the all-plastic series male inserts only.

Long Body series is offered in Valved and non-valve sockets.

1/4" diameter flow path

- Acetal (POM) durable body, and latch.
- Operating Pressure Vacuum to 120 PSI

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
50AC-S2-04LB	50ACV-SB2-04	1/4" ID	6.4 MM	2.02"	.75"	.94"
50AC-S2-05LB	50ACV-SB2-05	5/16"	7.9 MM	2.02"	.75"	.94"
50AC-S2-06LB	50ACV-SB2-06	3/8" ID	9.5 MM	2.02"	.75"	.94"

All Plastic socket with barbed connections for 1/4, 5/16 and 3/8 Tubing



## 50PPV SE3 SERIES

The 50PPV SE3 Series is made with a medical grade, gamma sterilizable polypropylene these couplers are ideal for medical applications where greater chemical resistance is needed. In addition, this coupler has a plastic thumb latch for a comfortable release every time!

VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
50PPV-SE3-04	1/4" ID	6.4 MM ID	2.14"	1.00"	.94"
50PPV-SE3-06	3/8" ID	9.5 MM ID	2.14"	1.00"	.94"

## PANEL MOUNT SOCKET SEALING GASKET

PART NO.	MATERIAL	DIAMETER	THICKNESS
C11376	EPDM	1.00" OD	.08"



## 20PP PE2 SERIES

The 20PP PE2 Series is made from medical-grade gamma sterilizable polypropylene, offering greater chemical resistance. In addition, this material has a temperature range of 32°F to 160°F and a max operating pressure of 120psi.

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	L(nv/v)	WIDTH	LENGTH
20PP-PE2-01	20PPV-PE2-01	1/16" ID	1.6 MM ID	.80"/1.48"	.55"	.55"
20PP-PE2-01MALD	20PPV-PE2-01MALD	1/16" ID	1.6 MM ID	.80"/1.48"	.55"	.55"
20PP-PE2-02	20PPV-PE2-02	1/8" ID	3.2 MM ID	.97"/1.65"	.55"	.55"
20PP-PE2-02MALD	20PPV-PE2-02MALD	1/8" ID	3.2 MM ID	.97"/1.65"	.55"	.55"



NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	L(nv/v)	WIDTH	LENGTH
20PP-PE2-04	20PPV-PE2-04	1/4" ID	6.4 MM ID	1.12"/1.80"	.55"	.55"
20PP-PE2-04MALD	20PPV-PE2-04MALD	1/4" ID	6.4 MM ID	1.12"/1.80"	.55"	.55"
40PP-PE2-04	40PPV-PE2-04	1/4" ID	6.4 MM ID	1.25"/1.94"	.70"	.70"
40PP-PE2-04MALD	40PPV-PE2-04MALD	1/4" ID	6.4 MM ID	1.25"/1.94"	.70"	.70"
40PP-PE2-06	40PPV-PE2-06	3/8" ID	9.5 MM ID	1.25"/1.83"	.70"	.70"
40PP-PE2-06MALD	40PPV-PE2-06MALD	3/8" ID	9.5 MM ID	1.25"/1.83"	.70"	.70"
50PPX-PE2-04	50PPV-PE2-04	1/4" ID	6.4 MM ID	1.89"/2.04"	.70"	.70"
50PPX-PE2-06	50PPV-PE2-06	3/8" ID	9.5 MM ID	1.76"/1.91"	.70"	.70"



## 40AC PB1 SERIES - ACETAL MALE THREAD PLUG

The 40AC PB1 Series is a Male Thread Plug with Pipe Threads of 1/4 and 3/8. This product is produced with a natural Acetal (POM) thermoplastic. Also, BSPT is available and an optional shutoff. Furthermore, this acetal male thread plug offers an easy way to connect NPT threaded piping to other similar quick couplers.

NON-VALVED	VALVED	THREAD SIZE	LENGTH	WIDTH	HEIGHT
40AC-PB1-04	40ACV-PB1-04	1/4" NPT	1.25"/1.65"	.63"	.63"
40AC-PB1-04BSPT	40ACV-PB1-BSPT	1/4" BSPT	1.25"/1.65"	.63"	.63"
40AC-PB1-06	40ACV-PB1-06	3/8" NPT	1.25"/1.65"	.75"	.75"
40AC-PB1-06BSPT	40ACV-PB1-06BSPT	3/8" BSPT	1.25"/1.65"	.75"	.75"



## GREY POLYPROPYLENE INLINE HOSE BARB SOCKET

We offer grey medical-grade polypropylene inline hose barb sockets with similar quick coupling adapters. This polypropylene material is gamma sterilizable offering a greater chemical resistance.

VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
50PPV-SE2-04	1/4" ID	6.4 MM ID	2.01"	.76"	.94"
50PPV-SE2-06	3/8" ID	9.5 MM ID	2.01"	.76"	.94"



## GREY POLYPROPYLENE MALE THREAD PLUG

Our polypropylene fittings are made from a medical grade, gamma serializable polypropylene offering a greater chemical resistance. These couplings are available in both grey polypropylene and almond-colored polypropylene.

NON-VALVED	VALVED	THREAD SIZE	L(nv/v)	WIDTH	HEIGHT
20PPX-PE1-02	20PPV-PE1-02	1/8" NPT	1.27"/1.39"	.50"	.50"
20PPX-PE1-02MALD	20PPV-PE1-02MALD	1/8" NPT	1.27"/1.39"	.50"	.50"
40PPX-PE1-04	40PPV-PE1-04	1/4" NPT	1.50"/1.65"	.63"	.63"
40PPX-PE1-04MALD	40PPV-PE1-04MALD	1/4" NPT	1.50"/1.65"	.63"	.63"
50PPX-PE1-04	50PPV-PE1-04	1/4" NPT	1.60"/1.75"	.63"	.63"
50PPX-PE1-06	50PPV-PE1-06	3/8" NPT	1.60"/1.75"	.75"	.75"



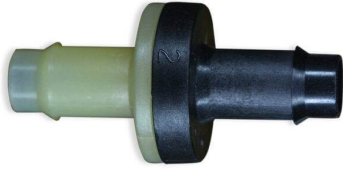
## MPV SERIES | FOOD & BEVERAGE GRADE CHECK VALVES

Plastic check valves molded at our facility are made from NSF 51/62 Approved materials, used for food and beverage applications. Our valves do not have grease or oil, like other diaphragm valves on the market. Ideal for contact with Food, Beverage, Water and Laboratory applications. Housings are molded from materials include POM -Celcon, M90® and PVDF, Arkema-Kynar 720®. The diaphragm options are EPDM, Santoprene™, or FDA Viton® disks. Sizes we offer include 1/8, 3/16, 1/4, 5/16, and 3/8 barbed valves.

### [Download The Flyer](#)

		Flow (l/h)	Crack Pressure
MPV-2B-AC-FDA Viton	1/8 Barbed Acetal with FDA Viton .020		
MPV-2B-AC-S	1/8 Barbed Acetal with Santoprene		
MPV-2B-AC-E	1/8 Barbed Acetal with EPDM	50.79	.007
MPV-3B-AC-FDA Viton	3/16 Barbed Acetal with FDA Viton .020		
MPV-3B-AC-S	3/16 Barbed Acetal with Santoprene		
MPV-3B-AC-E	3/16 Barbed Acetal with EPDM	50.79	.007
MPV-4BH-AC-FDA Viton	1/4 Barbed, Acetal, High Flow with FDA Viton .030		
MPV-4BH-AC-S	1/4 Barbed Acetal, High Flow with Santoprene		
MPV-4BH-AC-E	1/4 Barbed Acetal, High Flow with EPDM	26.28	.001
MPV-5B-AC-FDA Viton	5/16 Barbed, Acetal, High Flow with FDA Viton .030		
MPV-5B-AC-S	5/16 Barbed, Acetal, High Flow with Santoprene .030		
MPV-5B-AC-E	5/16 Barbed, Acetal, High Flow with EPDM .030	26.28	.001
MBV-6B-AC-FDA Viton	3/8 Barbed, Acetal, High Flow with FDA Viton .030		
MBV-6B-AC-S	3/8 Barbed, Acetal, High Flow with Santoprene .030		
MBV-6B-AC-E	3/8 Barbed, Acetal, High Flow with EPDM .030	26.28	.001

## MPV SERIES | AUTOMOTIVE GRADE CHECK VALVES

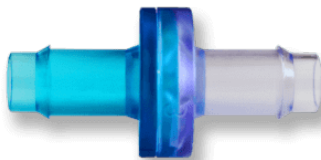


Pneuline Supply manufactures Plastic Check Valves that are ideal for Automotive applications. Inlets are made of either Natural Nylon or Glass-Filled Natural Nylon. Outlets are made of either Black Nylon or Glass-Filled Black Nylon. The Barbed connectors are available in 1/8-inch, 3/16 inch, and 1/4-inch Standard Flow or 1/4-inch, 5/16 inch, and 3/8 inch High Flow. Diaphragms are made of either Fluorosilicone or EPDM. Customer-specific unique laser part marking is available for identifiers such as Part number sequencing, Lot number, or Company name.

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SKU	Description	Flow l/h	Crack Pressure
MPV-2B-NE	1/8 Barb Nylon / EPDM Check Valve	50.79	.007
MPV-2B-NF	1/8 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-3B-NE	3/16 Barb Nylon / EPDM Check Valve	50.79	.007
MPV-3B-NF	3/16 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-3B-PE	3/16 Barb Polypropylene / EPDM Check Valve	50.79	.007
MPV-4B-HKE	1/4 Barb Hi-Flow PVDF / EPDM Check Valve	26.28	.001
MPV-4B-NE	1/4 Barb Hi-Flow Nylon / EPDM Check Valve	50.79	.007
MPV-4B-NF	1/4 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-5B-NE	5/16 Barb Hi-Flow Nylon / EPDM Check Valve	26.28	.001
MPV-5B-NF	5/16 Barb H-Flow Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-5B-R530-E	5/16 Barb High-Flow Glass-Filled Nylon / EPDM Check Valve	26.28	.001
MPV-6B-NE	3/8 Barb High-Flow Nylon / EPDM Check Valve	26.28	.001
MPV-6B-NF	3/8 Barb Hi-Flow Nylon / Fluorosilicone Check Valve	20.57	.001
<b>MPV-6B-R530-E</b>	<b>3/8 Barb High-Flow Glass-Filled Nylon / EPDM Check Valve</b>	<b>26.28</b>	<b>.001</b>

## MPV SERIES | MEDICAL GRADE CHECK VALVES



MPV Series Medical Grade Check Valves are manufactured and tested in a Class 7 Cleanroom environment making them ideal for medical applications. All cleanroom check valves are tested in our cleanroom environments at 15 PSI. Resin options include Nylon, Polypropylene, Polycarbonate, Radiation-stable Polycarbonate, and Kynar® 720. Other custom resins are available at the customer's request. Sizes Available: 3/16 inch, 5/16 inch, and 3/8 inch high flow. Diaphragms are made of Silicone USP Class VI or FDA Viton®. Our custom molding options allow for customer specific needs or requirements which include resin options as well as diaphragm options.

[Download the MPV Series Flyer](#)

SKU	Description
MPV-2B-NS	1/8 Barb Nylon / FDA Silicone Check Valve
MPV-2B-PCS	1/8 Barb Polycarbonate / Natural FDA Silicone Check Valve
MPV-3B-PCS	3/16 Barb Polycarbonate / Silicone .020 VI Check Valve
MPV-4B-KS	1/4 Barb Standard PVDF/ Silicone Check Valve
MPV-6B-KS	3/8 Barb PVDF / USP Class VI Silicone Check Valve
MPV-6B-PCRS	3/8 Barb Polycarbonate / Silicone USP class VI Check Valve

## HFSC SERIES STOPCOCKS



4-way Stopcock is available in Polycarbonate, Acetal, Polyethylene, HDPE, Acrylic and Silicone. These Stopcocks are chemically resistant and not made with DEHP. Connection options include male luer slip, male luer lock, male luer with spin lock, rotating male luer lock, female luer lock, and tubing ports. Psi is 50, higher pressures are available on request.

SKU	DESCRIPTION
HFSC-4-MSFF-PC	4-Way Stopcock Male Slip by FF Polycarbonate
HFSC-4-FFF-PC	4-Way Stopcock FFF Polycarbonate
HFSC-4-FFM-PC	4-Way Stopcock FFM Polycarbonate

SKU	DESCRIPTION
HFSC-4-FMM-PC	4-Way Stopcock FMM Polycarbonate
HFSC-4-FMF-PC	4-Way Stopcock FMF Polycarbonate
HFSC-4-MFF-PC	4-Way Stopcock MFF Polycarbonate
HFSC-4-MFM-PC	4-Way Stopcock MFM Polycarbonate
HFSC-4-MMF-PC	4-Way Stopcock MMF Polycarbonate
HFSC-4-MMM-PC	4-Way Stopcock MMM Polycarbonate
HFSC-4-MSFF-PC	4-Way Stopcock Male Slip by FF Polycarbonate



## C-342-6 SERIES| STRAINER

C-342-6 Series is a Pickup Strainer used to keep debris from flowing upward in a tube line. This product is available in Polypropylene, Nylon, and Acetal Material. Hose sizes are 1/8, 3/16, 1/4, 5/16 and 3/8 barbs. Strainers, made primarily with polyester material, ranging from 65 to 1000 micron

## 4F4B SERIES | PLASTIC CONNECTOR



4F4B Series is a FNPT to 1/4" Barbed Plastic Connector is available in either Kynar or HDPE.

## DEFV SERIES



DEFV series is a Push-to-Connect Flow Control Valve Elbow made with nickel-plated threads and a stem with a PBT body. Standard controls flow out but checks the flow back. Also, these valves needle the flow from the tube and check the flow back through the tubing line. They are equipped with a single push-to-connect port at a 90° angle to the male thread. Furthermore, thread sizes are 10-32, 1/8", 1/4", 3/8" and 1/2".

SKU	DESCRIPTION
DEFV-10U18P	10-32 by 1/8 OD Push-to-Connect Elbow Flow Control
DEFV-10U532P	10-32 by 5/32 OD Push-to-Connect Elbow Flow Control
DEFV-10U316P	10-32 by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-10U14P	10-32 by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-10U516P	10-32 by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-2M18P	1/8 MNPT by 1/8 OD Push-to-Connect Elbow Flow Control
DEFV-2M532P	1/8 MNPT by 5/32 OD Push-to-Connect Elbow Flow Control
DEFV-2M316P	1/8 MNPT by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-2M14P	1/8 MNPT by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-2M516P	1/8 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-4M532P	1/4 MNPT by 5/32 OD Push-to-Connect Elbow Flow Control
DEFV-4M316P	1/4 MNPT by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-4M14P	1/4 MNPT by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-4M516P	1/4 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-4M38P	1/4 MNPT by 3/8 OD Push-to-Connect Elbow Flow Control

SKU	DESCRIPTION
DEFV-4M12P	DEFV-4M12P 1/4 MNPT by 1/2 OD Push-to-Connect Elbow Flow Control
DEFV-6M316P	DEFV-6M316P 3/8 MNPT by 3/16 OD Push-to-Connect Elbow Flow Control
DEFV-6M14P	DEFV-6M14P 3/8 MNPT by 1/4 OD Push-to-Connect Elbow Flow Control
DEFV-6M516P	3/8 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-6M38P	3/8 MNPT by 3/8 OD Push-to-Connect Elbow Flow Control
DEFV-6M12P	3/8 MNPT by 1/2 OD Push-to-Connect Elbow Flow Control
DEFV-8M516P	1/2 MNPT by 5/16 OD Push-to-Connect Elbow Flow Control
DEFV-8M38P	1/2 MNPT by 3/8 OD Push-to-Connect Elbow Flow Control

## SBLF AND SBLM SERIES

SBLF and SBLM are quick-connect couplers that have a side latch. It is available in several colors of Nylon and is equipped with Buna-N O-rings. Single barb sizes available are 1/8" and 3/16".



SKU	DESCRIPTION
LDF-LDPE	Female LDPE Lab Disconnect
LDF-PP	Female Polypropylene Lab Disconnect
LDF-PP-CLR	Female Polypropylene Clear Lab Disconnect
LD-F-LDPE	Male/Female LDPE Complete Lab Disconnect
LD-M-LDPE	Male LDPE Lab Disconnect
LD-M-NB-PP	Male No-Barb Polypropylene Lab Disconnect





## 50AC-S3 SERIES

50AC-S3 Series with a plastic-latch Quick Couplers has a 1/4" nominal flow. They are made of White Acetal with a plastic thumb latch coupler and a Buna O-ring insert standard. Also, the temp ranges are -40° F to 180°F for Acetal.

NON-VALVED	VALVED	TUBE SIZE	METRIC TUBE	LENGTH	WIDTH	HEIGHT
50AC-S3-04	50ACV-SB3-04	1/4" ID	6.4" MM ID	2.10"	.90"	1.05"
50AC-S3-05	50ACV-SB3-05	5/16" ID	7.9" MM ID	2.10"	.90"	1.05"
50AC-S3-06	50ACV-SB3-06	3/8" ID	9.5" MM ID	2.10"	.90"	1.05"



## G1 SERIES GAUGE

G1 Series Pressure Gauge has an ABS case with a Brass movement and a dial size of 1". The Gauge is available in 30, 60, 100, and 160 psi. There is a 1/8" MNPT center back mount that can also accommodate a 10-32 male UNF fitting inside that 1/8" fitting. Also, the operating temperature for this gauge is 0° F to 160° F. The maximum supply is 50% over the gauge pressure range. Furthermore, his gauge is recommended for use with steam, air, oil, and water.

SKU	DESCRIPTION
G1-CBM-30	1 inch GAUGE CBM 0-30
G1-CBM-60	1 inch GAUGE CBM 0-60
G1-CBM-100	1 inch GAUGE CBM 0-100
G1-CBM-160	1 inch GAUGE CBM 0-160



## PMF SERIES

PMF Series is a one-sided Bulkhead that is tank-mountable with a flange. It is available in Nylon, Black Nylon, Polypropylene, HDPE, and PVDF. UNF thread sizes are 5/16-24, 10-32 and 1/4-28. In addition, the NPS sizes are 1/8" and 1/4". Barb sizes are 1/16", 1/8", 5/32", 3/16", and 1/4". (order as NN, BN, PP, HDPE, PVDF) O-Rings available.

SKU	DESCRIPTION
PMF1428-2B	1/4-28 1/8 Barb Bulkhead Tank Flange
PMF2M-1	1/8 NPS-1/16 Bulkhead Tank Flange
PMF2M-2	1/8 NPS-1/8 Bulkhead Tank Flange
PMF2M-332	1/8 NPS-3/32 Bulkhead Tank Flange
PMF2M-3	1/8 NPS-3/16 Bulkhead Tank Flange
PMF2M-4	1/8 NPS-1/4 Bulkhead Tank Flange
PMF4M-1	1/4 NPS-1/16 Bulkhead Tank Flange
PMF4M-2	1/4 NPS-1/8 Bulkhead Tank Flange
PMF4M-332	1/4 NPS-3/32 Bulkhead Tank Flange
PMF4M-3	1/4 NPS-3/16 Bulkhead Tank Flange
PMF4M-4	1/4 NPS-1/4 Bulkhead Tank Flange
PMF4M-532	1/4 NPS-5/32 Bulkhead Tank Flange
PMF4M-5	1/4 NPS-5/16 Bulkhead Tank Flange
PMF4M-6	1/4 NPS-3/8 Bulkhead Tank Flange
PMF4M-8	1/4 NPS-1/2 Bulkhead Tank Flange
PMF516-1	5/16-24 by 1/16 Bulkhead Tank Flange
PMF516-2	5/16-24 by 1/8 Barb Bulkhead Tank Flange
PMF516-332	5/16-24 by 3/32 Bulkhead Tank Flange
PMF516-3	5/16-24 by 3/16 Bulkhead Tank Flange
PMF516-4	5/16-24 by 1/4 Bulkhead Tank Flange
PMF516-532	5/16-24 by 5/32 Bulkhead Tank Flange



## PMFL SERIES

PMFL Series is a one-sided Bulkhead Elbow that is tank-mountable with a flange. It is available in Nylon, Black Nylon, Polypropylene, HDPE, and PVDF. UNF thread size is 5/16-24. The NPS sizes are 1/8" and 1/4". Barb sizes are: 1/16", 3/32", 1/8", 5/32", 3/16", 1/4". (order as NN, BN, PP, HDPE, PVDF)

SKU	DESCRIPTION
PMFL2M-1	1/8 NPS-L 1/16 Tank Flange Elbow
PMFL2M-2	1/8 NPS-L 1/8 Tank Flange Elbow
PMFL2M-332	1/8 NPS-L 3/32 Tank Flange Elbow
PMFL2M-3	1/8 NPS-L 3/16 Tank Flange Elbow
PMFL2M-4	1/8 NPS-L 1/4 Tank Flange Elbow
PMFL4M-1	1/4 NPS-L 1/16 Tank Flange Elbow
PMFL4M-2	1/4 NPS-L 1/8 Tank Flange Elbow
PMFL4M-332	1/4 NPS-L 3/32 Tank Flange Elbow
PMFL4M-3	1/4 NPS-L 3/16 Tank Flange Elbow
PMFL4M-4	1/4 NPS-L 1/4 Tank Flange Elbow
PMFL4M-532	1/4 NPS-L 5/32 Tank Flange Elbow
PMFL516-1	5/16-24L 1/16 Tank Flange Elbow
PMFL516-2	5/16-24L 1/8 Tank Flange Elbow

## PC-IG SERIES- BULKHEAD



PC-IG Series is a reducing and equal bulkhead made of Black and White Nylon and Gray Polypropylene. Barb sizes are 1/16", 1/8", and .170" ID tubing. In addition, the external threads for panel mounting are 1/4-28" and a nut is supplied. The maximum supply pressure is 125 psi and the working temperature ranges are -50° F to 180° F for Nylon and -40° F to 200° F for Polypropylene.

SKU	DESCRIPTION
PC-IG-170B-BN	.170 Barb Black Nylon Bulkhead
PC-IG-170B-GYP	.170 Barb Gray Polypropylene Bulkhead
PC-IG-170B-WN	.170 Barb White Nylon Bulkhead
PC-IG-170BX1B-BN	.170 BY .062 Barb Black Nylon Bulkhead
PC-IG-170BX1B-GYP	.170 BY .062 Barb Gray Polypropylene Bulkhead
PC-IG-170X1B-WN	.170 BY .062 Barb White Nylon Bulkhead
PC-IG-1B-BN	.062 Barb Black Nylon Bulkhead
PC-IG-1B-GYP	.062 Barb Gray Polypropylene Bulkhead
PC-IG-1B-WN	.062 Barb White Nylon Bulkhead
PC-IG-2B-BN	.125 Barb Black Nylon Bulkhead
PC-IG-2B-GYP	.125 Barb Gray Polypropylene Bulkhead
PC-IG-2B-WN	.125 Barb White Nylon Bulkhead
PC-IG-2BX1B-BN	.125 BY .062 Barb Black Nylon Bulkhead
PC-IG-2BX1B-GYP	.125 BY .062 Barb Gray Polypropylene Bulkhead



## PC-S SERIES

PC-S Series is a Panel mount reduction Bulkhead made of animal-free natural Polypropylene and White Nylon. The barb sizes are 1/16", 3/32", and 1/8". In addition, the panel mount connector sizes are 10-32" and 1/4-28". A Nylon nut is standard but a Stainless Steel nut is optional.

SKU	DESCRIPTION
PC-S10-1B332B-NPP	10-32 with 1/16 by 3/32 Natural Polypropylene Bulkhead
PC-S10-1B332B-WN	10-32 with 1/16 by 3/32 White Nylon Bulkhead
PC-S10-1B-NPP	10-32 with 1/16 Barb Natural Polypropylene Bulkhead
PC-S10-1B-WN	10-32 with 1/16 Barb White Nylon Bulkhead
PC-S10-332B-NPP	10-32 with 3/32 Barb Natural Polypropylene Bulkhead
PC-S10-332B-WN	10-32 with 3/32 by 3/32 White Nylon Bulkhead
PC-S14-1B2B-NPP	1/4-28 with 1/16 by 1/8 Natural Polypropylene Bulkhead
PC-S14-1B2B-WN	1/4-28 with 1/16 by 1/8 White Nylon Bulkhead
PC-S14-2B-NPP	1/4-28 with 1/8 Barb Natural Polypropylene Bulkhead
PC-S14-2B-WN	1/4-28 with 1/8 by 1/8 White Nylon Bulkhead
PC-S14-332B2B-NPP	1/4-28 with 1/16 by 1/8 Natural Polypropylene Bulkhead
PC-S14-332B2B-WN	1/4-28 with 1/16 by 1/8 White Nylon Bulkhead



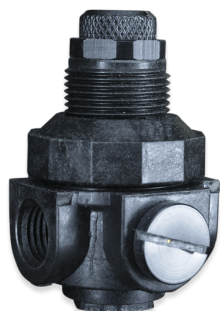
## RAAW SERIES

RAAW Series is a 1/8" or 1/4" 4-port mini air Regulator made of glass-filled Nylon with Buna-N seals. The supply pressure is 250 psi with a standard operating range of 5 - 125 psi, 3 - 60 psi, and 3 - 20 psi. The temperature range is 40° F to 120° F. It has a 3-position non-rising adjustment knob which can be detached to make it tamper-resistant. Also, a tamper-proof cap is included. This unit is lightweight, panel-mountable and the relieving style is standard.



## RP SERIES

This Pressure Regulator is made of NSF-approved Acetal with port sizes of 1/4" (R25) and 3/8" (R45). Both have 1/4" gauge port threads. The maximum supply pressure is 125 psi and the temperature range is 40° F to 125° F. The spring pressure ranges are 0-25 psi, 0-60 psi, and 0-125 psi. This Regulator is recommended for compressed air. The 1/4" regulator is relieving and the 3/8" is non-relieving.



## RWL SERIES

Water Pressure Regulator made of NSF-approved Thermoplastics with FDA-grade EPDM disc, Buna-N diaphragm, and seals. It has a straight-through or 90° inlet to outlet option and a clean-out plug on the bottom. The temperature range is 33° F to 150° F and the maximum operating pressure is 300 psi. The inlet and outlet sizes are 1/4" and the regulator can have either 2 or 4 outlets.

SKU	DESCRIPTION
RWL-2-14-125	2-1/4 ports 0- 125 psi Water Regulator
RWL-2-14-25	2-1/4 ports 0- 25 psi Water Regulator
RWL-2-14-60	2-1/4 ports 0- 60 psi Water Regulator
RWL-25	4-1/4 ports 0-25 psi Water Regulator
RWL-4-14-25	4 1/4 ports 0- 25 psi Water Regulator
RWL-4-14-60	4 1/4 ports 0- 60 psi Water Regulator
RWL-4-14-125	4 1/4 ports 125 psi Water Regulator



## NRM REGULATOR SERIES

This non-relieving Regulator is made of NSF and FDA approved Acetal with Stainless Steel and food-grade EPDM elastomer. It has a 1/4" female NPT inlet and outlet ports. It can be used for potable and deionized water. There is an adjustable pressure knob. The maximum pressure is 150 psi and the temperature range is 35°F to 125°F. There is an available regulator for compressed air and non-potable water.

SKU	DESCRIPTION
NRM-10	1/4 FNPT Preset 3 psi, 0-10 range
NRM-25	1/4 FNPT Preset 15 psi, 0-25 range
NRM-50	1/4 FNPT Preset 40 psi, 5-50 range
NRM-125	1/4 FNPT Preset 50 psi, 5-125 range



## TGAT SERIES

TGAT Series is a PFA compression Tee adapter with male NPT threads to two gripper rings. OD sizes range from 1/4" to 3/4", the male NPT threads range from 1/8" to 3/4 ".



## PFF SERIES

The PFF Series is a push-to-connect to female 7/16-20 or 5/8-18 Flare thread is a Straight Connection, for use in faucet applications. Push-to-connect sizes available in 3/8", 5/16" or 1/4". This product is available in Polypropylene and PVDF.

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SKU	DESCRIPTION
PFF-7164	7/16-24 Female UNS Flare by 1/4 OD Faucet Fitting
PFF-7165	7/16-24 Female UNS Flare by 5/16 OD Faucet Fitting
PFF-7166	7/16-24 Female UNS Flare by 3/8 OD Faucet Fitting



## PUYR SERIES- PBT REDUCER

The PUYR Series is a compact Straight Wye Reducer fitting that has three push-to-connect ports in a wye pattern with two smaller ports side by side opposite the third larger port. Also, the body is PBT resin with Nickel-plated Brass threads. The working pressure is 150 psi and the temperature range is 32° F to 140° F. For use with compressed air and inert gases.

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## PUC SERIES



Compact Straight Fitting with two push-to-connect ports in opposite directions. The body is PBT resin. The working pressure is 150 psi and the temperature range is 32° F to 140° F. Suitable for applications involving compressed air and inert gases.

SKU	DESCRIPTION
PUC-12P	1/2 OD PBT Push-to-Connect Union
PUC-14P	1/4 OD PBT Push-to-Connect Union
PUC-18P	1/8 OD PBT Push-to-Connect Union
PUC-316P	3/16 OD PBT Push-to-Connect Union
PUC-38-P	3/8 OD PBT Push-to-Connect Union
PUC-516-P	5/16 OD PBT Push-to-Connect Union
PUC-532-P	5/32 OD PBT Push-to-Connect Union
PUC-58P	5/8 OD PBT Push-to-Connect Union
PUC-4MM-P	4 mm OD PBT Push-to-Connect Union
PUC-6MM-P	6 mm OD PBT Push-to-Connect Union
PUC-8MM-P	8 mm OD PBT Push-to-Connect Union
PUC-10MM-P	10 mm OD PBT Push-to-Connect Union
PUC-18BR	1/8 OD Brass Push-to-Connect Union

## PUT SERIES- EQUAL PUSH-TO-CONNECTS



The PUT Series is a Union Tee Fitting that has 3 push-to-connect ports of equal sizes. The body is PBT resin. In addition, the working pressure is 150 psi and the temperature range is 32° F to 140° F. For use with compressed air and inert gases.

SKU	DESCRIPTION
PUT-12N	1/2 OD Push-to-Connect Tee Nylon
PUT-14P	1/4 OD PBT Push-to-Connect Tee
PUT-18P	1/8 OD PBT Push-to-Connect Tee
PUT-316P	3/16 OD PBT Push-to-Connect Tee
PUT-38-P	3/8 OD PBT Push-to-Connect Tee

SKU	DESCRIPTION
PUT-532-P	5/32 OD PBT Push-to-Connect Tee
PUT-5P	5/16 OD PBT Push-to-Connect Tee
PUT-4MM-P	4 mm OD PBT Push-to-Connect Tee
PUT-6MM-P	6 mm OD PBT Push-to-Connect Tee
PUT-8MM-P	8 mm OD PBT Push-to-Connect Tee



## PUTR SERIES

Union Tee fitting with 2 push-to-connect ports of equal sizes and 1 push-to-connect port that is a reducer located 90° apart. The body is PBT resin. The working pressure is 150 psi and the temperature range is 32° F to 140° F. For use with compressed air and inert gases.

SKU	DESCRIPTION
PUTR-12-38P	1/2 OD by 3/8 OD PBT Reducing Tee
PUTR-12-516P	1/2 OD by 5/16 OD PBT Reducing Tee
PUTR-14-18P	1/4 OD by 1/8 OD PBT Reducing Tee
PUTR-14-316P	1/4 OD by 3/16 OD PBT Reducing Tee
PUTR-316-532P	3/16 OD by 5/32 OD PBT Reducing Tee
PUTR-38-14P	1/4 OD by 3/8 OD PBT Reducing Tee
PUTR-38-516P	3/8 OD by 5/16 OD PBT Reducing Tee
PUTR-4532P	1/4 OD by 5/32 OD PBT Reducing Tee
PUTR-516-14P	5/16 OD by 1/4 OD PBT Reducing Tee
PUTR-516-532P	5/16 OD by 5/32 OD PBT Reducing Tee

## PUE SERIES



The PUE Series is a composite Union Elbow made of a PBT body and a Buna-N seal. The working pressure is 150 psi and a temperature range of 32° F to 140° F.

SKU	DESCRIPTION
PUE-12P	1/2 PBT Elbow Push-to-Connect
PUE-14P	1/4 PBT Elbow Push-to-Connect
PUE-18P	1/8 PBT Elbow Push-to-Connect
PUE-316P	3/16 PBT Elbow Push-to-Connect
PUE-38P	3/8 PBT Elbow Push-to-Connect
PUE-5/16-P	5/16 PBT Elbow Push-to-Connect
PUE-532P	5/32 PBT Elbow Push-to-Connect
PUE-4MM-P	4 mm PBT Elbow Push-to-Connect
PUE-6MM-P	6 mm PBT Elbow Push-to-Connect

## PEA SERIES



Push-to-connect adjustable male swivel 90° Elbow with NPT and UNF threads. The working pressure is 150 psi, and the temperature range is 32° F to 140° F. This series is made of PBT resin, nickel-plated brass with a Buna-N O-ring, and a Stainless Steel grip ring. For use with compressed air and inert gases. This fitting is also available in metric sizes. In fact, these fittings can swivel a full 360°.

SKU	DESCRIPTION
PEA-10U14P	10-32 Male UNF by 1/4 OD PBT Adjustable Elbow
PEA-10U18P	10-32 Male UNF by 1/8 OD PBT Adjustable Elbow
PEA-10U316P	10-32 Male UNF by 3/16 OD PBT Adjustable Elbow
PEA-10U532P	10-32 Male UNF by 5/32 OD PBT Adjustable Elbow
PEA-2M14P	1/8 MNPT by 1/4 OD PBT Adjustable Elbow
PEA-2M18P	1/8 MNPT by 1/8 OD PBT Adjustable Elbow
PEA-2M316P	1/8 MNPT by 3/16 OD PBT Adjustable Elbow
PEA-2M516P	1/8 MNPT by 5/16 OD PBT Adjustable Elbow

SKU	DESCRIPTION
PEA-2M532P	1/8 MNPT by 5/32 OD PBT Adjustable Elbow
PEA-4M14P	1/4 MNPT by 1/4 OD PBT Adjustable Elbow
PEA-4M316P	1/4 MNPT by 3/16 OD PBT Adjustable Elbow
PEA-4M516P	1/4 MNPT by 5/16 OD PBT Adjustable Elbow
PEA-6M12P	3/8 MNPT by 1/2 OD PBT Adjustable Elbow
PEA-6M14P	3/8 MNPT by 1/4 OD PBT Adjustable Elbow
PEA-6M316P	3/8 MNPT by 3/16 OD PBT Adjustable Elbow
PEA-6M38P	3/8 MNPT by 3/8 OD PBT Adjustable Elbow
PEA-6M516P	3/8 MNPT by 5/16 OD PBT Adjustable Elbow
PEA-8M12P	1/2 MNPT by 1/2 OD PBT Adjustable Elbow
PEA-8M38P	1/2 MNPT by 3/8 OD PBT Adjustable Elbow



## PEM SERIES

Push-to-connect fitting is a male compact Swivel Elbow with a hex configuration. Working pressure 150 psi, the temperature range is 32° F to 140° F. Nickel Plated Brass, Buna-N O-ring, and the grip ring is Stainless Steel. For use with compressed air and inert gases. Long stem version available. SAE and G threads have an O-ring below the hex.



## PEMR SERIES

The PEMR Series is a Tee Push-to-Connect with a Metal Hex, see available options below.

SKU	DESCRIPTION
PEMR-10U18P	10-32 Male UNF by 1/8 OD PBT Male Run Tee
PEMR-10U316P	10-32 Male UNF by 3/16 OD PBT Male Run Tee
PEMR-10U14P	10-32 Male UNF by 1/4 OD PBT Male Run Tee
PEMR-10U532P	10-32 Male UNF by 5/32 OD PBT Male Run Tee
PEMR-1M18P	1/16 MNPT by 1/8 OD PBT Male Run Tee
PEMR-1M14P	1/16 MNPT by 1/4 OD PBT Male Run Tee
PEMR-1M532P	1/16 MNPT by 5/32 OD PBT Male Run Tee
PEMR-2M18P	1/8 MNPT by 1/8 OD PBT Male Run Tee
PEMR-2M316P	1/8 MNPT by 3/16 OD PBT Male Run Tee
PEMR-2M14P	1/8 MNPT by 1/4 OD PBT Male Run Tee
PEMR-2M532P	1/8 MNPT by 5/32 OD PBT Male Run Tee
PEMR-2M5P	1/8 MNPT by 5/16 OD PBT Male Run Tee
PEMR-2M38P	1/8 MNPT by 3/8 OD PBT Male Run Tee
PEMR-2M12P	1/8 MNPT by 1/2 OD PBT Male Run Tee
PEMR-4M18P	1/4 MNPT by 1/8 OD PBT Male Run Tee
PEMR-4M316P	1/4 MNPT by 3/16 OD PBT Male Run Tee
PPEMR-4M516P	1/4 MNPT by 5/16 OD PBT Male Run Tee
PEMR-4M532P	1/4 MNPT by 5/32 OD PBT Male Run Tee
PEMR-4M14P	1/4 MNPT by 1/4 OD PBT Male Run Tee
PEMR-4M38P	1/4 MNPT by 3/8 OD PBT Male Run Tee
PEMR-4M8P	1/4 MNPT by 1/2 OD PBT Male Run Tee
PEMR-6M316P	3/8 MNPT by 3/16 OD PBT Male Run Tee
PEMR-6M14P	3/8 MNPT by 1/4 OD PBT Male Run Tee
PEMR-6M38P	3/8 MNPT by 3/8 OD PBT Male Run Tee
PEMR-6M12P	3/8 MNPT by 1/2 OD PBT Male Run Tee
PEMR-8M38P	1/2 MNPT by 3/8 OD PBT Male Run Tee
PEMR-8M12P	1/2 MNPT by 1/2 OD PBT Male Run Tee

## PEMT SERIES



Push-to-connect Male Branch Swivel Tee with male NPT and UNF threads. The working pressure is 150 psi, and the temperature range is 32° F to 140° F. Also, this series is made of PBT resin, Nickel nickel-plated brass with a Buna-N O-ring, and a Stainless Steel grip ring. For use with compressed air and inert gases. This fitting is also available in metric sizes.

SKU	DESCRIPTION
PEMT-10U14P	10-32 Male UNF by 1/4 OD PBT Tee
PEMT-10U18P	10-32 Male UNF by 1/8 OD PBT Tee
PEMT-10U316P	10-32 Male UNF by 3/16 OD PBT Tee
PEMT-10U532P	10-32 Male UNF by 5/32 OD PBT Tee
PEMT-1M14P	1/16 MNPT by 1/4 OD PBT Tee
PEMT-1M18P	1/16 MNPT by 1/8 OD PBT Tee
PEMT-1M532P	1/16 MNPT by 5/32 OD PBT Tee
PEMT-2M14P	1/8 MNPT by 1/4 OD PBT Tee
PEMT-2M18P	1/8 MNPT by 1/8 OD PBT Tee
PEMT-2M316P	1/8 MNPT by 3/16 OD PBT Tee
PEMT-2M38P	1/8 MNPT by 3/8 OD PBT Tee
PEMT-2M516P	1/8 MNPT by 5/16 OD PBT Tee
PEMT-2M532P	1/8 MNPT by 5/32 OD PBT Tee
PEMT-4M12P	1/4 MNPT by 1/2 OD PBT Tee
PEMT-4M14P	1/4 MNPT by 1/4 OD PBT Tee
PEMT-4M18P	1/4 MNPT by 1/8 OD PBT Tee
PEMT-4M12P	1/4 MNPT by 1/2 OD PBT Tee
PEMT-4M14P	1/4 MNPT by 1/4 OD PBT Tee
PEMT-4M18P	1/4 MNPT by 1/8 OD PBT Tee
PEMT-4M316P	1/4 MNPT by 3/16 OD PBT Tee
PEMT-4M38P	1/4 MNPT by 3/8 OD PBT Tee
PEMT-4M516P	1/4 MNPT by 5/16 OD PBT Tee
PEMT-4M532P	1/4 MNPT by 5/32 OD PBT Tee
PEMT-4R-4MM	1/4 R MNPT by 4 mm OD PBT Tee
PEMT-4R-6MM	1/4 R MNPT by 6 mm OD PBT Tee
PEMT-4R-8MM	1/4 R MNPT by 8 mm OD PBT Tee
PEMT-6M12P	3/8 MNPT by 1/2 OD PBT Tee
PEMT-6M14P	3/8 MNPT by 1/4 OD PBT Tee
PEMT-6M316P	3/8 MNPT by 3/16 OD PBT Tee
PEMT-6M38P	3/8 MNPT by 3/8 OD PBT Tee
PEMT-8M12P	1/2 MNPT by 1/2 OD PBT Tee

SKU	DESCRIPTION
PEMT-8M38P	1/2 MNPT by 3/8 OD PBT Tee
PEMT-8R-8MM	1/2 R MNPT by 8 mm OD PBT Tee



## PSR SERIES

The PSR Series is a PBT Stem Reducer. Not for water applications, only air. The working pressure is 150 psi and the temperature range is 32° F to 140° F.

SKU	DESCRIPTION
PSR-12S-38P	1/2 by 3/8 PBT Stem Reducer
PSR-12S-516P	1/2 by 5/16 PBT Stem Reducer
PSR-14S-18P	1/4 by 1/8 PBT Stem Reducer
PSR-14S-316P	1/4 by 3/16 PBT Stem Reducer
PSR-14S-532P	1/4 by 5/32 PBT Stem Reducer
PSR-316S-18P	3/16 by 1/8 PBT Stem Reducer
PSR-316S-532P	3/16 by 5/32 PBT Stem Reducer
PSR-38S-14P	3/8 by 1/4 PBT Stem Reducer
PSR-38S-516P	3/8 by 5/16 PBT Stem Reducer
PSR-516S-14P	5/16 by 1/4 PBT Stem Reducer
PSR-532S-18P	5/32 by 1/8 PBT Stem Reducer

## PSC SERIES



## PUCX SERIES



PUCX Series is a union Cross push-to-connect fitting with four opposing, equal-sized ports made of Polybutylene. This fitting is also available in metric sizes.

SKU	DESCRIPTION
PUCX-12P	1/2 OD Cross Polybutylene
PUCX-14P	1/4 OD Cross Polybutylene
PUCX-18P	1/8 OD Cross Polybutylene
PUCX-316P	3/16 OD Cross Polybutylene
PUCX-38P	3/8 OD Cross Polybutylene
PUCX-516P	5/16 Cross Polybutylene
PUCX-532P	5/32 Cross Polybutylene
PUCX-1238P	3/8 by 1/2 OD Cross Polybutylene
PUCX-38516P	5/16 by 3/8 OD Cross Polybutylene





## PUY SERIES- PUSH-TO-CONNECT

Compact straight fitting with three push-to-connect ports in a Wye pattern with two ports side by side opposite the third port. The body is PBT resin with Nickel-Plated Brass threads. The working pressure is 150 psi and the temperature range is 32° F to 140° F. For use with compressed air and inert gases.

SKU	DESCRIPTION
PUY-12P	1/2 OD Parallel PBT Wye
PUY-14P	1/4 OD Parallel PBT Wye
PUY-18P	1/8 OD Parallel PBT Wye
PUY-316P	3/16 OD Parallel PBT Wye
PUY-38P	3/8 OD Parallel PBT Wye
PUY-516P	5/16 OD Parallel PBT Wye
PUY-532P	5/32 OD Parallel PBT Wye



## PEFC SERIES

The PEFC Series is a push-to-connect Swivel Female Elbow that is configured with a 90° body **with an external hex for tightening**. The working pressure is 150 psi and the temperature range is 32° F to 140° F. Metal body material is Nickel-Plated Brass and the resin is PBT. For use with compressed air and inert gases.

SKU	DESCRIPTION
PEFC-10U14P	10-32 Female UNF by 1/4 OD Push-to-Connect Elbow
PEFC-10U18P	10-32 Female UNF by 1/8 OD Push-to-Connect Elbow
PEFC-10U316P	10-32 Female UNF by 3/16 OD Push-to-Connect Elbow
PEFC-10U532P	10-32 Female UNF by 5/32 OD Push-to-Connect Elbow
PEFC-2F18P	1/8 FNPT by 1/8 OD Push-to-Connect Elbow
PEFC-2F316P	1/8 FNPT by 3/16 OD Push-to-Connect Elbow
PEFC-2F14P	1/8 FNPT by 1/4 OD Push-to-Connect Elbow
PEFC-2F38P	1/8 FNPT by 3/8 OD Push-to-Connect Elbow
PEFC-2F4P	1/8 FNPT by 1/4 OD Push-to-Connect Elbow

SKU	DESCRIPTION
PEFC-2F516P	1/8 FNPT by 5/16 OD Push-to-Connect Elbow
PEFC-2F532P	1/8 FNPT by 5/32 OD Push-to-Connect Elbow
PEFC-4F18P	1/4 FNPT by 1/8 OD Push-to-Connect Elbow
PEFC-4F316P	1/4 FNPT by 3/16 OD Push-to-Connect Elbow
PEFC-4F14P	1/4 FNPT by 1/4 OD Push-to-Connect Elbow
PEFC-4F516P	1/4 FNPT by 5/16 OD Push-to-Connect Elbow
PEFC-4F532P	1/4 FNPT by 5/32 OD Push-to-Connect Elbow
PEFC-4F6P	1/4 FNPT by 3/8 OD Push-to-Connect Elbow
PEFC-4F8P	1/4 FNPT by 1/2 OD Push-to-Connect Elbow
PEFC-6F316P	3/8 FNPT by 3/16 OD Push-to-Connect Elbow
PEFC-6F14P	3/8 FNPT by 1/4 OD Push-to-Connect Elbow
PEFC-6F516P	3/8 FNPT by 5/16 OD Push-to-Connect Elbow
PEFC-6F38P	3/8 FNPT by 3/8 OD Push-to-Connect Elbow
PEFC-6F12P	3/8 FNPT by 1/2 OD Push-to-Connect Elbow
PEFC-8F38P	1/2 FNPT by 3/8 OD Push-to-Connect Elbow
PEFC-8F12P	1/2 FNPT by 1/2 OD Push-to-Connect Elbow



## MLLR-MG SERIES

The MLLR-MG Series are rotating male luer to barb. It is available in clear ABS and radiation stable Polycarbonate. In addition, barb sizes are 1/32", 1/16", 3/32", 1/8", 5/32", 3/16" and 1/4". Separate locking rings are available in several colors of Nylon.

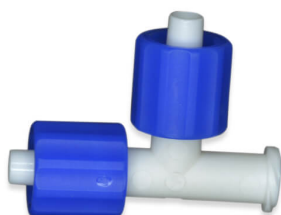


## MLLR-1428 SERIES- MALE LUER

Male luer with 5/16" hex to 1/4-28 UNF thread. It is available in white and black Nylon, natural Polypropylene, clear Polycarbonate, and PVDF. Separate locking rings are offered in various nylon colors. 1/4-28 bottom sealing threads are also available.

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## ML SERIES



The ML Series are rotating male luers made of Nylon, Polypropylene, or Polycarbonate. Nut colors include black, red, and blue. See all parts listed below.

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SKU	DESCRIPTION
MLLRF	Male Luer Swivel by Female Luer
MLLRM	Male Luer Swivel Connector
MLEF	Male Luer Swivel by Female Luer
MLEM	Male Luer Swivel by Male Luer Swivel
MLLFMTR	Male Luer Swivel/Female Luer/Male Luer Swivel
MLLFFTR	Male Luer SWIVEL/ Female LUER/ Female Luer



## MFT & MFMT LUER TEE

Tee is available in 2 different configurations: 2 female thread style luer and 1 male luer and 2 male luer and 1 female thread style luer. They are both available in white and black Nylon, Polypropylene, and clear and radiation stable Polycarbonate. They may be used with a separate locking ring.

### SKU

### DESCRIPTION

MFT-PP Female Luer by Female Luer Thread by Male Luer Tee Polypropylene  
MFMT-PP Male Luer by Male Luer by Female Luer Thread Tee Polypropylene

## FLLT SERIES



The FLLT Series is a Female luer lug-style Tee connector made of white Nylon, natural Polypropylene, clear Polycarbonate, radiation-stable Polycarbonate, and PVDF.

### SKU

### DESCRIPTION

FLLT-WN Female Luer Lug Style Tee White Nylon

## FLLE-MSL SERIES



The FLLE-MSL Series is a Male-luer-to-female luer thread-style Elbow connector. Which is made of white & black Nylon, natural Polypropylene, clear Polycarbonate, & Radiation Stable Polycarbonate. Also, separate rotating lock rings are available.

SKU	DESCRIPTION
FLLE-MSL	Male Luer to Female Thread Style Luer Elbow
FLLE-MSL-PP	Male Luer to Female Thread Style Luer Elbow Polypropylene

## FLLE- TSEC SERIES



The FLLE-TSEC Series is a Female luer thread-style Elbow connector that is engineered using a variety of high-quality materials. These connectors are available in Nylon, offering robust durability. In addition, they are crafted from natural Polypropylene, known for its chemical resistance and lightweight properties. Furthermore, the series includes connectors made from clear Polycarbonate, providing superior impact resistance and optical clarity. Lastly, the connectors are available in PVDF which is known for its high purity, strength, and resistance to solvents and acids. This material selection ensures that the FLLE-TSEC Series can meet a wide range of application requirements.

SKU	DESCRIPTION
FLLE-WN	Female Luer Lock Elbow White Nylon
FLLE-NPP	Female Luer Lock Elbow Natural Polypropylene
FLLE-PC	Female Luer Lock Elbow Polycarbonate
FLLE-PVDF	Female Luer Lock Elbow PVDF

## MSSC SERIES



MSSC Series is a male slip-by male slip luer connector made of white Nylon, natural Polypropylene, clear Polycarbonate, and PVDF. Rotating collars are available.

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## FLLC-MG SERIES



The FLLC-MG Series is a Female luer lock coupler. It is available in white Nylon, Polypropylene, clear Polycarbonate, radiation Polycarbonate, and PVDF.

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SKU	DESCRIPTION
FLLC-MG	Female Luer Lock Connector



## FLLPC PANEL MOUNT SERIES

The FLLPC Series is a Panel-mounted female luer lock with a hose barb fitting. Panel mount threads are 1/4-28. The barbs on the inside of the panel are 1/16", 3/32" and 1/8". This luer lock is made of white and black Nylon, natural Polypropylene, clear polycarbonate, and PVDF. Optional color-coded panel rings and nuts are available.

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SKU	DESCRIPTION
FLLPC-S-1B	Female Luer Lock to 1/16 Barb Bulkhead
FLLPC-S-2B	Female Luer Lock to 1/8 Barb Bulkhead
FLLPC-S-332B	Female Luer Lock to 3/32 Barb Bulkhead



## MLLC SERIES

The MLLC Series is a male luer integral lock ring to female luer. It is available in white and black Nylon, natural Polypropylene, clear Polycarbonate, and Radiation Stable Polycarbonate.

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SKU	DESCRIPTION
MLLC	Male Luer Lock to Female Luer Connector

## MLL SERIES



Male luer by thread adapter. The bottom sealing threads are available in both UNF and NPT. The lock ring is available as integral or rotating. The integral lock ring luer is available in white and black Nylon, black Acetal, black and natural Polypropylene, clear Polycarbonate, and PVDF. The rotating lock rings are available in 7 colors of Nylon over Polypropylene or PVDF.

SKU	DESCRIPTION
MLL-10	Male Luer Lock to 10/32 UNF Thread
MLL-14-BSR	Male Luer Lock to 1/4-28 UNF Thread Bottom Seal
MLL-2M	Male Luer Lock to 1/8 MNPT
MLL-4M	Male Luer Lock to 1/4 MNPT

## MSLE SERIES



Male slip luer by barb Elbow. The barb accommodates 3/32" ID tubing. This luer may be used with a separate rotating lock ring. It is available in white and black Nylon, black Polypropylene, and clear Polycarbonate.

SKU	DESCRIPTION
MSLE	Male Slip Luer Elbow by Barb



## FSL & MSL SERIES



The FSL & MSL Series is a Male and Female Slip Luers in clear ABS, white Nylon, clear Polycarbonate, PVDF, and radiation-stable polycarbonate. Barb sizes range from 1/16" to 1/4". 1/4-28 male UNF threads are also available.

SKU	DESCRIPTION
FSL-I-18	Female Slip Luer to White Nylon 1/8 Barb
FSL-MG-116	Female Slip Luer to 1/16 Barb
FSL-MG-332	Female Slip Luer to 3/32 Barb
FSL-MG-18	Female Slip Luer to 1/8 Barb
FSL-S-532	Female Slip Luer to 5/32 Barb
MSL-14	Male Slip Luer to 1/4-28 Male UNF
MSL-MG-116	Male Slip Luer to 1/16 Barb
MSL-MG-332	Male Slip Luer to 3/32 Barb
MSL-MG-18	Male Slip Luer to 1/8 Barb
MSL-S-1B-NK	Male Slip Luer to 1/16 Barb
MSL-S-532	Male Slip Luer to 5/32 Barb
MSL-U-316	Male Slip Luer to 3/16 Barb

## AM-S SERIES



AM-S Series is a standard single-barb Adapter with no parting line on the barb. Also, It has 1/16" or 1/8" male NPT threads. It is available in white and black Nylon and natural Polypropylene. Furthermore, PTFE barbed fittings are available 1/8" to 1" Male NPT. The barbs will expand the tubing 50% above its normal size. In fact, these Adapters are used primarily for medical and laboratory settings. \*\*\*Orifices are available.\*\*\*

## AT-W SERIES



These Tee Adapters are available in natural and black Nylon and Polypropylene. The tees have 10-32 tapered UNF threads with 1/16", 3/32" 1/8" and 5/32 barbs. They are also available in PVDF.

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SKU	DESCRIPTION
AT-W-101B	10-32 Male UNF by 1/16 Barb
AT-W-10332B	10-32 Male UNF by 3/32 Barb
AT-W-102B	10-32 Male UNF by 1/8 Barb
AT-W-10532B	10-32 Male UNF by 5/32 Barb



## MR-I SERIES

The MR-I Series is a industrial grade male run Tee Adapter made in natural Nylon and Polypropylene. The NPT thread sizes are 1/8" and the equal barbs are 1/8" and 3/16".

## AT SERIES



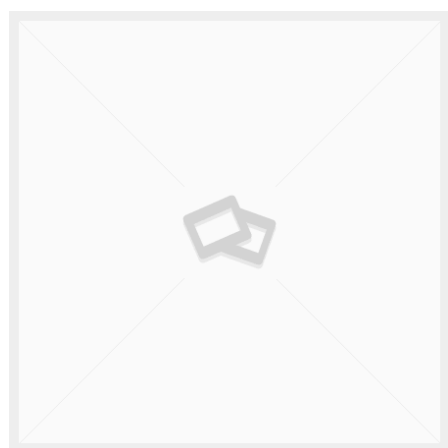
Male NPT thread by multi-barbed Tee Adapter is available in NSF-listed natural and black Nylon, NSF-listed black Polyethylene, and natural and black Polypropylene – both FDA-listed. Male NPT thread sizes are 1/8", 1/4", 3/8", 1/2", 3/4" and 1". The barb sizes available are 1/4", 3/8", 1/2", 3/4", 5/8" and 1".

SKU	Description
AT-2M3B	1/8 MNPT to 3/16 Triple Barb Tee
AT-2M4B	1/8 MNPT to 1/4 Triple Barb Tee
AT-4M3B	1/4 MNPT to 3/16 Triple Barb Tee
AT-4M4B	1/4 MNPT to 1/4 Triple Barb Tee
AT-4M5B	1/4 MNPT to 5/16 Triple Barb Tee
AT-4M6B	1/4 MNPT to 3/8 Triple Barb Tee
AT-4M8B	1/4 MNPT to 1/2 Triple Barb Tee
AT-6M4B	3/8 MNPT to 1/4 Triple Barb Tee
AT-6M6B	3/8 MNPT to 3/8 Triple Barb Tee
AT-6M8B	3/8 MNPT to 1/2 Triple Barb Tee
AT-8M6B	1/2 MNPT to 3/8 Triple Barb Tee
AT-8M8B	1/2 MNPT to 1/2 Triple Barb Tee
AT-8M16B	1/2 MNPT to 1 inch Triple Barb Tee
AT-12M12B	3/4 MNPT to 3/4 Triple Barb Tee
AT-12M16B	3/4 MNPT to 1 inch Triple Barb Tee



## T-I SERIES

The T-I Series is a standard equal barb Tee made of white Nylon and natural Polypropylene. It is available in 1/16", 1/8" and 3/16" barbs.



## ESMM SERIES

Brass 90° Elbow Swivel connector with male-to-male NPT threads. The swivel allows full flow at any angle.

SKU	DESCRIPTION
ESMM-4	1/4 MNPT by 1/4 MNPT Brass Elbow Swivel

## BHES SERIES

Brass male 90° Swivel Elbow with NPT threads to hose barbs. These barbs are intended to be used with hose clamps.

SKU	DESCRIPTION
BHES-2M4B	1/8 MNPT by 1/4 Barb 90° Swivel Elbow
BHES-2M6B	1/8 MNPT by 3/8 Barb 90° Swivel Elbow
BHES-4M4B	1/4 MNPT by 1/4 Barb 90° Swivel Elbow
BHES-4M6B	1/4 MNPT by 3/8 Barb 90° Swivel Elbow
BHES-4M8B	1/4 MNPT by 1/2 Barb 90° Swivel Elbow
BHES-6M6B	3/8 MNPT by 3/8 Barb 90° Swivel Elbow

## 5114NS SERIES



The 5114NS Series is a Garden Hose non-swiveling dual shutoff that has a non-corrosive plastic body, ball, and handle. Also, it has a Zinc plated steel screw and Buna-N seal. It flows from female to male. In addition, shutoffs are designed for city water pressure to a maximum of 80 psi. Furthermore, this valve does not swivel.

## 5114S SERIES



The 5114S Series is a dual Garden Hose Shutoff swivel that has an ABS body, ball, and handle. In addition, it has a Zinc plated steel screw and Buna-N seal. It flows from female to male. Furthermore, the shutoffs are designed for city water pressure to a maximum of 80 psi.

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## NSS SERIES- ORIFICE



Synthetic Sapphire Orifice pressed in a Nylon housing of .125" or .134" OD. The standard orifice size is .0012" to .0252" diameter.

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## GHBVS-F-S SERIES

The GHBVS-F-S Series is a Garden hose by slip connector. ABS with 650 or 850 sockets.

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SKU	Description
GHBS-650	Garden hose by .650 slip



## PCVM SERIES

The PCVM series is a push-in acetal poppet check valve, see available sizes and PSI options below.

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SKU	DESCRIPTION
PCVM-4	1/4 Push-to-Connect Polypropylene Check Valve 2.75 psi
PCVM-4-2M	1/4 Push-to-Connect by 1/8 MNPT Check Valve .75 psi
PCVM-4-3	1/4 Push-to-Connect Polypropylene 2.75 psi
PCVM-4-5	1/4 Push-to-Connect Polypropylene Check Valve 5 psi
PCVM-4PP	1/4 Push-to-Connect Polypropylene Check Valve .3 psi
PCVM-6	3/8 Push-to-Connect Polypropylene Check Valve .3 psi

## PBV6 3 SERIES



The PBV6 Series is a Three-way two directional 3/8 inch Flow Panel Mount Ball Valve made of NSF-approved PVC, Polypropylene, or Nylon and designed to promote multiple configurations. Used for air, water, beverage, and chemical applications.

SKU	Definition
PBV6-4F	3/8 Flow 1/4 FNPT PVC Ball Valve
PBV6-6F	3/8 Flow 3/8 FNPT PVC Ball Valve
PBV6-8F	3/8 Flow 1/2 FNPT PVC Ball Valve
PBV6-2M	3/8 Flow 1/8 MNPT PVC Ball Valve
PBV6-4M	3/8 Flow 1/4 MNPT PVC Ball Valve
PBV6-6M	3/8 Flow 3/8 MNPT PVC Ball Valve
PBV6-8M	3/8 Flow 1/2 MNPT PVC Ball Valve
PBV6-2B	3/8 Flow 1/8 Barb PVC Ball Valve
PBV6-4B	3/8 Flow 1/4 Barb PVC Ball Valve
PBV6-6B	3/8 Flow 3/8 Barb PVC Ball Valve
PBV6-8B	3/8 Flow 1/2 Barb PVC Ball Valve
PBV6-4PI	3/8 Flow 1/4 Push-to-Connect PVC Ball Valve
PBV6-6PI	3/8 Flow 3/8 Push-to-Connect PVC Ball Valve
PBV6-8PI	3/8 Flow 1/2 Push-to-Connect PVC Ball Valve
PBV6-4C	3/8 Flow 1/4 Compression PVC Ball Valve



## PBV5 3 SERIES



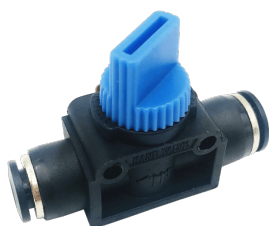
The PBV5 Series is a Three-way Ball Valve available with an operating pressure of 125 psi, 140° F, with .312 thru hole in multiple configurations of Barb, Push-in, or Thread. PVC and White Filled Polypropylene materials that are used for chemical resistance applications and are NSF Standard 42 Certified. Also, MakroBlend® (*a Polycarbonate and PBT blend*) is an NSF Standard 51-certified material. An optional Panel Mount is available for a .750 thru hole and comes with a Brass knurled nut or Electroless Nickel-plated Hex mount nut. In fact, the Flag Handle comes standard with an optional round Knurled Handle. The maximum panel is .125

SKU	Description
PBV5-3W-4C	5/16 Flow 1/4 Compression PVC 3-Way Ball Valve
PBV5-3W-4F	5/16 Flow 1/4 FNPT PVC 3-Way Ball Valve
PBV5-3W-4F-PVCE	5/16 Flow 1/4 FNPT PVC EPDM 3-Way Ball Valve
PBV5-3W-4F-PVCV	5/16 Flow 1/4 FNPT PVC EPDM 3-Way Ball Valve
PBV5-3W-4M	5/16 Flow 1/4 MNPT PVC 3-Way Ball Valve
PBV5-3W-4PE-PM JG	5/16 Flow 1/4 Barb EPDM PM JG 3-Way Ball Valve
PBV5-3W-5B	5/16 Flow 5/16 Barb PVC 3-Way Ball Valve
PBV5-3W-4PI	5/16 Flow 1/4 Push-to-Connect PVC 3-Way Ball Valve
PBV5-3W-5F	5/16 Flow 5/16 FNPT PVC 3-Way Ball Valve
PBV5-3W-5M	5/16 Flow 5/16 MNPT PVC 3-Way Ball Valve
PBV5-3W-5PI	5/16 Flow 5/16 Push-to-Connect PVC 3-Way Ball Valve
PBV5-3W-6B	5/16 Flow 3/8 Barb PVC 3-Way Ball Valve
PBV5-3W-6F	5/16 Flow 3/8 FNPT PVC 3-Way Ball Valve
PBV5-3W-6M	5/16 Flow 3/8 MNPT PVC 3-Way Ball Valve
PBV5-3W-6PI	5/16 Flow 3/8 Push-to-Connect PVC 3-Way Ball Valve
PBV5-3W-8B	5/16 Flow 1/2 Barb PVC 3-Way Ball Valve
PBV5-3W-8F	5/16 Flow 1/2 FNPT PVC 3-Way Ball Valve
PBV5-3W-8M	5/16 Flow 1/2 MNPT PVC 3-Way Ball Valve
PBV5-3W-4B	5/16 Flow 1/4 Barb PVC 3-Way Ball Valve
PBV5-3W-2M	5/16 Flow 1/8 MNPT PVC 3-Way Ball Valve
PBV5-3W-2F	5/16 Flow 1/8 FNPT PVC 3-Way Ball Valve
PBV5-3W-2C	5/16 Flow 1/8 Compression PVC 3-Way Ball Valve
PBV5-3W-2B	5/16 Flow 1/8 Barb PVC 3-Way Ball Valve



## FACL SERIES

FACL Series are large 4" inline filter made of Acetal with a Nylon screen. This filter is resistant to alcohol and fuel and can withstand higher pressures. Barb sizes are 1/4" and 3/8". Nylon screens are 150 and 250 microns, Polyester screens are 20, 65, and 105 microns.



## HV SERIES

The HV Series Hand Valves are made with a PBT body, nickel-plated threads, and Buna-N O-rings. In addition, the valves can stop or reduce flow. The working pressure is 150 psi and the temperature range is 32° F to 140° F. They can be used for compressed air or inert gases.

SKU	DESCRIPTION
HV-2M4P	1/8 MNPT by 1/4 PBT
HV-2M5P	1/8 MNPT by 5/16 PBT
HV-4M4P	1/4 MNPT by 1/4 PBT
HV-4M5P	1/4 MNPT by 5/16 PBT
HV-6M4P	3/8 MNPT by 1/4 PBT
HV-6M5P	3/8 MNPT by 5/16 PBT
HV-2M	1/8 MNPT
HV-4M2M	1/4 MNPT by 1/8 MNPT
HV-4M	1/4 MNPT
HV-4M6M	1/4 MNPT by 3/8 MNPT
HV-6M	3/8 MNPT
HV-8M	1/2 MNPT
HV-8M6M	1/2 MNPT by 3/8 MNPT
HV-4P	1/4 PBT
HV-5P	5/16 PBT
HV-5P4P	5/16 PBT by 1/4 PBT

## RPF SERIES



Pick-up filter for the end of tube lines. Barb fittings of 1/8", 3/16", 1/4", 5/16" and 3/8". Made of Polypropylene, Acetal, and PVDF with Polyester screens. The screens range from 10 microns to 250 microns. The screen is recessed at the bottom of the filter.

SKU	Definition
RPF-3B-P-177P	Pickup Filter 3/16 Poly 177 M Polypro
RPF-3B-NP-75PES	Pickup Filter 3/16 Poly 64 M Polyester
RPF-3BPP-150PES	Pickup Filter 3/16 150 M Polyester
RPF-3BPP-177P	Pickup Filter 3/16 177 M Polypro
RPF-4B-AC-177P	Pickup Filter 1/4 Acetal 177 Polypro screen
RPF-4BN-250PES	Pickup Filter 1/4 Nylon 250 M Polyester

## FTB SERIES



This Polypropylene Filter has a 3/16" hose barb connection with a 149-micron filter which is also Polypropylene. It can be used for any liquid container e.i. bottles and reservoirs. The feet prevent it from clogging by not sitting flush on any surface.

SKU	Definition
FTB-18-149	1/8 Barb 5/32 ID 149 Micron Polypropylene Pick-Up Filter



## MHF SERIES

This Inline filter is made of Nylon or Polypropylene with a 30, 70, or 150-micron Polyethylene filter.

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SKU	Definition
MHF-2B-30	1/8 Barb 30 Micron Filter
MHF-3B-PP-70	3/16 Barb Polypropylene 70 Micron Filter
MHF-4B-PP-150	1/4 Barb Nylon, 150 Micron Filter
MHF-4B2M-150	1/4 Barb by 1/8 NPT Polypropylene 150 Micron Filter
MHF-4B-150	1/4 Barb Nylon 150 Micron Filter



## BFF SERIES

The BFF Series is a Breather with a 40-micron screen. The housing is made of ABS plastic. Also, this unit is clean. Optional screen of 30, 60, or 120-micron porous plastic available. 3/8" NPT only.

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SKU	Definition
BFF-6M	3/8 inch NPT ABS Breather
BFF-8M	1/2 MNPT ABS Breather
BFF-12M	3/4 MNPT ABS Breather
BFF-16M	1 inch MNPT ABS Breather



## RM SERIES

A rugged Polyethylene body with a Polyvinyl foam element makes this muffler very effective for noise reduction. This Muffler is resistant to oil and water and can be cleaned with kerosene or other similar cleaning solvents. It is available with male NPT threads of 1/8", 1/4", 3/8", and 1/2". The working pressure is 130 psi and the temperature range is 41° F to 140° F.

SKU	Definition
RM-18	1/8 MNPT Polyethylene Muffler
RM-28	1/4 MNPT Polyethylene Muffler
RM-38	3/8 MNPT Polyethylene Muffler
RM-48	1/2 MNPT Polyethylene Muffler



## CLF SERIES

This is a plastic Muffler with optional Brass, Polyethylene, or Stainless Steel elements. The sizes available are 1/8", 3/8", 1/2", 3/4", and 1" Male NPT threads.

Also available in a slim version. The unit is cleanable and can be used as a Muffler or Filter.

SKU	Description
CLF-2M	1/8 MNPT Cleanable Muffler Brass
CLF-4M-PP	1/4 MNPT Muffler Porous Plastic
CLF-2-SS	1/8 MNPT Stainless Filter
CLF-4-PE	1/4 MNPT Polyethylene Filter
CLF-6	3/8 MNPT with Monel Brass Filter
CLF-8	1/2 MNPT with Monel Brass Filter



## CLFS SERIES

The CLFS Series is a slim profile plastic Muffler with optional Brass, Polyethylene, or Stainless Steel elements. Also the sizes available are 1/8", 3/8", 1/2", 3/4", and 1" Male NPT threads.

SKU	Description
CLFS-2M	1/8 MNPT SLIM LINE Cleanable Muffler Brass
CLFS-4M	1/4 MNPT SLIM LINE Cleanable Muffler Brass
CLFS-4M-OPEN	1/4 MNPT SLIM LINE Cleanable Muffler No
CLFS-4M-PP	1/4 MNPT SLIM LINE Porous Plastic
CLFS-6M	3/8 MNPT Slim Line Brass
CLFS-6M-OPEN	3/8 MNPT Slim Line Cleanable Muffler No Element



## PMP SERIES

The PMP Series is a **High-Flow Muffler** made of Glass-Filled Nylon with a 50-mesh Stainless Steel screen. It is available with Male NPT threads of 1/8", 1/4", 3/8" and 1/2"

SKU	Description
PMP-18	1/8 MNPT Nylon High-Flow Muffler
PMP-14	1/4 MNPT Nylon High-Flow Muffler
PMP-38	3/8 MNPT Nylon High-Flow Muffler
PMP-12	1/2 MNPT Nylon High-Flow Muffler

## CIS SERIES



This is a non-barbed Check Valve with a white tubing port inlet and clear tubing port outlet. The body is made of Acrylic with a blue Silicone diaphragm. This check valve is pressure-rated at 45 psi. The port sizes are both .130" and will accommodate 1/16" ID soft Silicone tubing as well as other tubing of 1/8" and 3/32" ID. It is manufactured in an ISO Class 8 Cleanroom and is Gamma, E-beam, and EtO sterilizable. This valve is made of Class VI approved materials, it is ultrasonically welded and is 100% inline tested for backflow and weld leaks.

SKU	Description
CIS-6383	Check Valve .130 port Acrylic/Silicone .29CP



## CMT SERIES

The CMT Series is a branch tee with either a poly gripper or a ferrule nut with an integral sleeve. The materials available are Acetal, Polypropylene, Nylon, and PVDF. The Male NPT sizes range from 1/8 inch to 3/4 inch and the OD tube sizes are 1/4 inch to 7/8 inch. The recommended temperature range is -80° F to 275° F.

SKU	Description
CMT-1212	1/2 inch MNPT by 1/2 inch OD Compression Tee
CMT-1234	1/2 inch MNPT by 3/4 inch OD Compression Tee
CMT-1258	1/2 inch MNPT by 5/8 inch OD Compression Tee
CMT-1414	1/4 inch MNPT by 1/4 inch OD Compression Tee
CMT-1438	1/4 inch MNPT by 3/8 inch OD Compression Tee
CMT-14516	1/4 inch MNPT by 5/16 inch OD Compression Tee
CMT-1814	1/8 inch MNPT by 1/4 inch OD Compression Tee
CMT-3434	3/4 inch MNPT by 3/4 inch OD Compression Tee
CMT-3478	3/4 inch MNPT by 7/8 inch OD Compression Tee
CMT-3812	3/8 inch MNPT by 1/2 inch OD Compression Tee
CMT-3838	3/8 inch MNPT by 3/8 inch OD Compression Tee



## AO-IG SERIES

AO-IG Series is a thread-to-barb fitting made of FDA-approved Polysulfone with an integral precision orifice. The threads are 10-32 inch male UNF threads and the barbs are either 1/8 inch or 1/16 inch. The maximum operating pressure is 100 psi.

SKU	Description
AO-IG-10X1B-004	10-32 inch Male UNF by 1/16 inch, .004 Polysulfone Adapter Orifice
AO-IG-10X1B-005	10-32 inch Male UNF by 1/16 inch, .005 Polysulfone Adapter Orifice
AO-IG-10X1B-006	10-32 inch Male UNF by 1/16 inch, .006 Polysulfone Adapter Orifice
AO-IG-10X1B-007	10-32 inch Male UNF by 1/16 inch, .007 Polysulfone Adapter Orifice
AO-IG-10X1B-010	10-32 inch Male UNF by 1/16 inch, .010 Polysulfone Adapter Orifice
AO-IG-10X1B-012	10-32 inch Male UNF by 1/16 inch, .012 Polysulfone Adapter Orifice
AO-IG-10X1B-016	10-32 inch Male UNF by 1/16 inch, .016 Polysulfone Adapter Orifice
AO-IG-10X1B-020	10-32 inch Male UNF by 1/16 inch, .020 Polysulfone Adapter Orifice
AO-IG-10X1B-025	10-32 inch Male UNF by 1/16 inch, .025 Polysulfone Adapter Orifice
AO-IG-10X1B-030	10-32 inch Male UNF by 1/16 inch, .030 Polysulfone Adapter Orifice
AO-IG-10X1B-040	10-32 inch Male UNF by 1/16 inch, .040 Polysulfone Adapter Orifice
AO-IG-10X2B-004	10-32 inch Male UNF by 1/8 inch, .004 Polysulfone Adapter Orifice
AO-IG-10X2B-005	10-32 inch Male UNF by 1/8 inch, .005 Polysulfone Adapter Orifice
AO-IG-10X2B-006	10-32 inch Male UNF by 1/8 inch, .006 Polysulfone Adapter Orifice
AO-IG-10X2B-007	10-32 inch Male UNF by 1/8 inch, .007 Polysulfone Adapter Orifice
AO-IG-10X2B-010	10-32 inch Male UNF by 1/8 inch, .010 Polysulfone Adapter Orifice
AO-IG-10X2B-012	10-32 inch Male UNF by 1/8 inch, .012 Polysulfone Adapter Orifice
AO-IG-10X2B-016	10-32 inch Male UNF by 1/8 inch, .016 Polysulfone Adapter Orifice
AO-IG-10X2B-020	10-32 inch Male UNF by 1/8 inch, .020 Polysulfone Adapter Orifice
AO-IG-10X2B-025	10-32 inch Male UNF by 1/8 inch, .025 Polysulfone Adapter Orifice
AO-IG-10X2B-030	10-32 inch Male UNF by 1/8 inch, .030 Polysulfone Adapter Orifice
AO-IG-10X2B-040	10-32 inch Male UNF by 1/8 inch, .040 Polysulfone Adapter Orifice





## STW SERIES

The STW Series spiral wrap is made of linear low-density Polyethylene. It wraps around tubing and allows for easy branching. The O.D. measurement is 1/2 inch and the I.D. is 3/8 inch. Available colors are natural and black.

SKU	Description
STW-2	For 1/16 inch to 1/4 inch Tubing
STW-3	For 1/8 inch to 1 inch Tubing
STW-4	For 3/16 inch to 2 inch Tubing
STW-6	For 3/16 inch to 3 inch Tubing
STW-8	For 3/8 inch to 4 inch Tubing
STW-10	For 5/8 inch to 4-1/2 inch Tubing

## PPF SERIES



The PPF Series is a push-to-connect cap for use with all push-to-connect fittings to block a port. The body is PBT with a Buna-N O-Ring. This fitting is also available in metric sizes.

SKU	Description
PPF-14	1/4 inch PBT Push-to-Connect Cap
PPF-38	3/8 inch PBT Push-to-Connect Cap
PPF-532	5/32 inch PBT Push-to-Connect Cap



## TGF SERIES

TGF Series is a PFA compression-reducing adapter with female NPT threads to a gripper ring. OD sizes range from 1/8 inch to 3/4 inch.

SKU	Description
TGF-4F4	PFA 1/4 inch FNPT by 1/4 inch OD Compression Adapter
TGF-2F-2	PFA 1/8 inch FNPT by 1/8 inch OD Compression Adapter
TGF-2F-4	PFA 1/8 inch FNPT by 1/4 inch OD Compression Adapter
TGF-4F-2	PFA 1/4 inch FNPT by 1/8 inch OD Compression Adapter
TGF-4F-6	PFA 1/4 inch FNPT by 3/8 inch OD Compression Adapter
TGF-4F-8	PFA 1/4 inch FNPT by 1/2 inch OD Compression Adapter
TGF-6F-4	PFA 3/8 inch FNPT by 1/4 inch OD Compression Adapter
TGF-6F-6	PFA 3/8 inch FNPT by 3/8 inch OD Compression Adapter
TGF-6F-8	PFA 3/8 inch FNPT by 1/2 inch OD Compression Adapter
TGF-8F-4	PFA 1/2 inch FNPT by 1/4 inch OD Compression Adapter
TGF-8F-6	PFA 1/2 inch FNPT by 3/8 inch OD Compression Adapter
TGF-8F-8	PFA 1/2 inch FNPT by 1/2 inch OD Compression Adapter
TGF-8F-12	PFA 1/2 inch FNPT by 3/4 inch OD Compression Adapter
TGF-12F-8	PFA 3/4 inch FNPT by 1/2 inch OD Compression Adapter
TGF-12F-12	PFA 3/4 inch FNPT by 3/4 inch OD Compression Adapter



## TGA SERIES

TGA Series is a PFA compression reducer connector with male NPT threads to gripper rings. OD sizes range from 1/8 inch to 3/4 inch, the thread sizes are also from 1/8 inch to 3/4 inch.

SKU	Description
TGA-12M-8	PFA 3/4 inch MNPT by 1/2 inch OD Compression Adapter
TGA-12M-12	PFA 3/4 inch MNPT by 3/4 inch OD Compression Adapter
TGA-2M-2	PFA 1/8 inch MNPT by 1/8 inch OD Compression Adapter
TGA-2M-4	PFA 1/8 inch MNPT by 1/4 inch OD Compression Adapter
TGA-4M-2	PFA 1/4 inch MNPT by 1/8 inch OD Compression Adapter

SKU	Description
TGA-4M-4	PFA 1/4 inch MNPT by 1/4 inch OD Compression Adapter
TGA-4M-6	PFA 1/4 inch MNPT by 3/8 inch OD Compression Adapter
TGA-4M-8	PFA 1/4 inch MNPT by 1/2 inch OD Compression Adapter
TGA-6M-4	PFA 3/8 inch MNPT by 1/4 inch OD Compression Adapter
TGA-6M-6	PFA 3/8 inch MNPT by 3/8 inch OD Compression Adapter
TGA-6M-8	PFA 3/8 inch MNPT by 1/2 inch OD Compression Adapter
TGA-8M-4	PFA 1/2 inch MNPT by 1/4 inch OD Compression Adapter
TGA-8M-6	PFA 1/2 inch MNPT by 3/8 inch OD Compression Adapter
TGA-8M8	PFA 1/2 inch MNPT by 1/2 inch OD Compression Adapter
TGA-8M-12	PFA 1/2 inch MNPT by 3/4 inch OD Compression Adapter



## LF SERIES

Our LF Series large bowl is available in 3 different thread sizes. The housing components are made of Nylon or Polypropylene, or Nylon with a clear nylon bowl, having stainless steel filter materials. Available in Stainless Steel 20, 40, and 80 mesh screens. The 1-1/2 FNPT unit is 8.1 inches tall and 5 inches wide with a filtration area of 38.25 inches. The smallest unit in this series is a 1-inch FNPT and stands 6.40 inches tall with a filtration area of 29.70 inches. The mid-range unit is 1-1/4 FNPT and is 7.15 inches tall.

These bowl filters are used in agriculture, dental and semi-conductor and vacuum, water, and chemicals. Available connections are 1 inch, 1-1/4 inch, and 1-1/2 inch Female NPT threads. Not for use with potable water.

SKU	Description
LF-16F-PT	1 inch FNPT Large Polyethylene Top Bowl Filter
LF-16F-NNC-B-40	1 inch FNPT Large Nylon Clear Bowl Buna 40 Mesh Bowl Filter
LF-16F-P-B-40	1 inch FNPT Large Polyethylene Bowl Buna 40 Mesh Bowl Filter
LF-20F-NNC-E-80	1-1/4 inch FNPT Nylon Top, Clear nylon bowl, EPDM seal 80 Mesh screen
<b>LF-24F-PNC-V-80</b>	<b>1-1/2 inch FNPT Poly Top clear nylon bowl, FKM seal, 80 Mesh</b>

## SFT SERIES



The SFT Series Tee adapter is made of PVC and can be used for irrigation and O.E.M. applications. There is a wide variety of configurations available for use with Polyethylene pipe sizes 1/2 inch through 2 inch. It conforms to ASTM D 2609 and is NSF-certified for use with potable water. Female NPT thread sizes are 1/2 inch, 3/4 inch, 1 inch, 1-1/4 inch, 1-1/2 inch, and 2 inch. Barb sizes range from 1/2 inch to 1-1/2 inch.

SKU	Description
SFT-8F34B	1/2 FNPT by 3/4 Barb Tee Adapter PVC
SFT-8F12B16B	1/2 FNPT by 3/4 Barb by 1 inch Barb Tee Adapter PVC
SFT-8F16B20B	1/2 FNPT by 1 inch Barb by 1-1/4 Barb Tee Adapter PVC
SFT-12F8B	3/4 FNPT by 1/2 Barb Tee Adapter PVC

## MGHF SERIES



The MGHF Series is a Male garden hose by Female NPT threads garden hose fitting. Available FNPT thread sizes are 1/4 inch, 1/2 inch, and 3/4 inch. These fittings are available in either Nylon or Black Polypropylene.

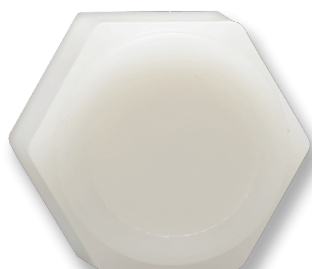
SKU	Description
MGHF-4F-PP	3/4 inch MGH by 1/4 inch FNPT Polypropylene Garden Hose Fitting
MGHF-4F-N	3/4 inch MGH by 1/4 inch FNPT Nylon Garden Hose Fitting
MGHF-6F-PP	3/4 inch MGH by 3/8 inch FNPT Polypropylene Garden Hose Fitting
MGHF-6F-N	3/4 inch MGH by 3/8 inch FNPT Nylon Garden Hose Fitting
MGHF-8F-PP	3/4 inch MGH by 1/2 inch FNPT Polypropylene Garden Hose Fitting
MGHF-8F-N	3/4 inch MGH by 1/2 inch FNPT Nylon Garden Hose Fitting
MGHF-8F-PP	3/4 inch MGH by 1/2 inch FNPT Polypropylene Garden Hose Fitting
MGHF-8F-N	3/4 inch MGH by 1/2 inch FNPT Nylon Garden Hose Fitting
MGHF-10F-PP	3/4 inch MGH by 5/8 inch FNPT Polypropylene Garden Hose Fitting
MGHF-10F-N	3/4 inch MGH by 5/8 inch FNPT Nylon Garden Hose Fitting
MGHF-12F-PP	3/4 inch MGH by 3/4 inch FNPT Polypropylene Garden Hose Fitting
MGHF-12F-N	3/4 inch MGH by 3/4 inch FNPT Nylon Garden Hose Fitting



## AT-I SERIES

The AT-I Series is a Tee Adapter. These Tees can be made of Natural Nylon or Natural Polypropylene. It has 1/8 inch male NPT threads with barb sizes of 1/16 inch, 1/8 inch, and 1/4 inch. Also available in 10-32 UNF threads.

SKU	Description
AT-I-2M1B-NN	1/8 inch MNPT by 1/16 inch Natural Nylon Single Barbed Tee Adapter
AT-I-2M1B-NPP	1/8 inch MNPT by 1/16 inch Natural Polypropylene Single Barbed Tee Adapter
AT-I-2M2B-NN	1/8 inch MNPT by 1/8 inch Natural Nylon Single Barbed Tee Adapter
AT-I-2M2B-NPP	1/8 inch MNPT by 1/8 inch Natural Polypropylene Single Barbed Tee Adapter
AT-I-2M4B-NN	1/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Tee Adapter
AT-I-2M4B-NPP	1/8 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Tee Adapter



## FC SERIES

The FC Series female Cap Plugs are made from Natural Nylon and Black Polypropylene. Female NPT thread sizes available are 1/4 inch, 3/8 inch, 1/2 inch, and 3/4 inch.

SKU	Description
FC-12F-NN	1/4 inch FNPT Natural Nylon Cap Plug
FC-12F-BPP	1/4 inch FNPT Black Polypropylene Cap Plug
FC-6F-NN	3/8 inch FNPT Natural Nylon Cap Plug
FC-6F-BPP	3/8 inch FNPT Black Polypropylene Cap Plug
FC-8F-NN	1/2 inch FNPT Natural Nylon Cap Plug
FC-8F-BPP	1/2 inch FNPT Black Polypropylene Cap Plug
FC-12F-NN	3/4 inch FNPT Natural Nylon Cap Plug

SKU	Description
FC-12F-BPP	3/4 inch FNPT Black Polypropylene Cap Plug

## GHP SERIES



Garden hose plug with female 3/4" NPT threads. Made of standard Nylon or Black Polypropylene.

SKU	Description
GHP	Garden Hose Plug

## FGHMS SERIES



The FGHMS Series are Nylon female Garden Hoses with Male NPT swivel fittings. Available MNPT thread sizes are 1/4 inch, 3/8 inch, and 1/2 inch.

SKU	Description
FGHMS-2F-N	FGH by 1/8 inch FNPT Nylon Garden Hose Swivel
FGHMS-2M-N	FGH by 1/8 inch MNPT Nylon Garden Hose Swivel
FGHMS-4M-N	FGH by 1/4 inch MNPT Nylon Garden Hose Swivel
FGHMS-6M-N	FGH by 3/8 inch MNPT Nylon Garden Hose Swivel
FGHMS-8M-N	FGH by 1/2 inch MNPT Nylon Garden Hose Swivel



## GHME SERIES

The GHME Series are male garden hose threads by MNPT elbows. This series is made of Nylon. Available MNPT sizes are 3/8 inch, 1/2 inch, and 3/4 inch.

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SKU	Description
GHME-12M-N	Male GHT by 3/4 inch MNPT Nylon Garden Hose Elbow
GHME-6M-N	Male GHT by 3/8 inch MNPT Nylon Garden Hose Elbow
GHME-8M-N	Male GHT by 1/2 inch MNPT Nylon Garden Hose Elbow



## FGHM SERIES

The FGHM Series is a Female Garden Hose by a Male Pipe Thread connector. Available male NPT sizes are 1/4 inch, 3/8 inch, 1/2 inch, and 3/4 inch. Available in Nylon and Polypropylene.

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SKU	Description
FGHM-4M-N	Female GHT by 1/4 inch MNPT Nylon Garden Hose Connector
FGHM-4M-PP	Female GHT by 1/4 inch MNPT Polypropylene Garden Hose Connector
FGHM-6M-N	Female GHT by 3/8 inch MNPT Nylon Garden Hose Connector
FGHM-6M-PP	Female GHT by 3/8 inch MNPT Polypropylene Garden Hose Connector
FGHM-8M-N	Female GHT by 1/2 inch MNPT Nylon Garden Hose Connector
FGHM-8M-PP	Female GHT by 1/2 inch MNPT Polypropylene Garden Hose Connector
FGHM-12M-N	Female GHT by 3/4 inch MNPT Nylon Garden Hose Connector
FGHM-12M-PP	Female GHT by 3/4 inch MNPT Polypropylene Garden Hose Connector

## HP SERIES



The HP Series is a standard Pipe Plug. This series is made of Natural Nylon and Black Polypropylene. Male NPT thread sizes range from 1/8 inch to 1-1/2 inch.

SKU	Description
HP-2M-NN	1/8 inch MNPT Natural Nylon Hex Plug
HP-2M-BPP	1/8 inch MNPT Black Polypropylene Hex Plug
HP-4M-NN	1/4 inch MNPT Natural Nylon Hex Plug
HP-4M-BPP	1/4 inch MNPT Black Polypropylene Hex Plug
HP-6M-NN	3/8 inch MNPT Natural Nylon Hex Plug
HP-6M-BPP	3/8 inch MNPT Black Polypropylene Hex Plug
HP-8M-NN	1/2 inch MNPT Natural Nylon Hex Plug
HP-8M-BPP	1/2 inch MNPT Black Polypropylene Hex Plug
HP-12M-NN	3/4 inch MNPT Natural Nylon Hex Plug
HP-12M-BPP	3/4 inch MNPT Black Polypropylene Hex Plug
HP-16M-NN	1 inch MNPT Natural Nylon Hex Plug
HP-16M-BPP	1 inch MNPT Black Polypropylene Hex Plug
HP-20M-NN	1-1/4 inch MNPT Natural Nylon Hex Plug
HP-20M-BPP	1-1/4 inch MNPT Black Polypropylene Hex Plug
HP-24M-NN	1-1/2 inch MNPT Natural Nylon Hex Plug
HP-24M-BPP	1-1/2 inch MNPT Black Polypropylene Hex Plug



## HP-R SERIES




The HP-R Series is a standard Pipe Plug. Available in Natural, Black, and Glass-Filled Black Nylon, Natural and Gray PVDF, Natural, Black and White Polypropylene, PTFE, and Polyethylene certified NSF 51/61. Also the Male NPT thread sizes range from 1/4 inch to 1 inch. Schedule 80 is available.

SKU	Description
HP-R-4M-NN	1/4 inch MNPT Natural Nylon Pipe Hex Plug
HP-R-4M-BN	1/4 inch MNPT Black Nylon Pipe Hex Plug
HP-R-4M-GFBN	1/4 inch MNPT Glass-Filled Black Nylon Pipe Hex Plug
HP-R-4M-NPP	1/4 inch MNPT Natural Polypropylene Pipe Hex Plug
HP-R-4M-BPP	1/4 inch MNPT Black Polypropylene Pipe Hex Plug
HP-R-4M-WPP	1/4 inch MNPT White Polypropylene Pipe Hex Plug
HP-R-4M-PTFE	1/4 inch MNPT PTFE Pipe Hex Plug
HP-R-4M-PPE	1/4 inch MNPT Polyethylene Pipe Hex Plug
HP-R-4M-PVDF	1/4 inch MNPT PVDF Pipe Hex Plug
HP-R-4M-GPVDF	1/4 inch MNPT Gray PVDF Pipe Hex Plug
HP-R-6M-NN	3/8 inch MNPT Natural Nylon Pipe Hex Plug
HP-R-6M-BN	3/8 inch MNPT Black Nylon Pipe Hex Plug
HP-R-6M-GFBN	3/8 inch MNPT Glass-Filled Black Nylon Pipe Hex Plug
HP-R-6M-NPP	3/8 inch MNPT Natural Polypropylene Pipe Hex Plug
HP-R-6M-BPP	3/8 inch MNPT Black Polypropylene Pipe Hex Plug
HP-R-6M-WPP	3/8 inch MNPT White Polypropylene Pipe Hex Plug
HP-R-6M-PTFE	3/8 inch MNPT PTFE Pipe Hex Plug
HP-R-6M-PPE	3/8 inch MNPT Polyethylene Pipe Hex Plug
HP-R-6M-PVDF	3/8 inch MNPT PVDF Pipe Hex Plug
HP-R-6M-GPVDF	3/8 inch MNPT Gray PVDF Pipe Hex Plug
HP-R-8M-NN	1/2 inch MNPT Natural Nylon Pipe Hex Plug
HP-R-8M-BN	1/2 inch MNPT Black Nylon Pipe Hex Plug
HP-R-8M-GFBN	1/2 inch MNPT Glass-Filled Black Nylon Pipe Hex Plug
HP-R-8M-NPP	1/2 inch MNPT Natural Polypropylene Pipe Hex Plug
HP-R-8M-BPP	1/2 inch MNPT Black Polypropylene Pipe Hex Plug
HP-R-8M-WPP	1/2 inch MNPT White Polypropylene Pipe Hex Plug
HP-R-8M-PTFE	1/2 inch MNPT PTFE Pipe Hex Plug
HP-R-8M-PPE	1/2 inch MNPT Polyethylene Pipe Hex Plug
HP-R-8M-PVDF	1/2 inch MNPT PVDF Pipe Hex Plug
HP-R-8M-GPVDF	1/2 inch MNPT Gray PVDF Pipe Hex Plug
HP-R-12M-NN	3/4 inch MNPT Natural Nylon Pipe Hex Plug
HP-R-12M-BN	3/4 inch MNPT Black Nylon Pipe Hex Plug

SKU	Description
HP-R-12M-GFBN	3/4 inch MNPT Glass-Filled Black Nylon Pipe Hex Plug
HP-R-12M-NPP	3/4 inch MNPT Natural Polypropylene Pipe Hex Plug
HP-R-12M-BPP	3/4 inch MNPT Black Polypropylene Pipe Hex Plug
HP-R-12M-WPP	3/4 inch MNPT White Polypropylene Pipe Hex Plug
HP-R-12M-PTFE	3/4 inch MNPT PTFE Pipe Hex Plug
HP-R-12M-PPE	3/4 inch MNPT Polyethylene Pipe Hex Plug
HP-R-12M-PVDF	3/4 inch MNPT PVDF Pipe Hex Plug
HP-R-12M-GPVDF	3/4 inch MNPT Gray PVDF Pipe Hex Plug
HP-R-16M-NN	1 inch MNPT Natural Nylon Pipe Hex Plug
HP-R-16M-BN	1 inch MNPT Black Nylon Pipe Hex Plug
HP-R-16M-GFBN	1 inch MNPT Glass-Filled Black Nylon Pipe Hex Plug
HP-R-16M-NPP	1 inch MNPT Natural Polypropylene Pipe Hex Plug
HP-R-16M-BPP	1 inch MNPT Black Polypropylene Pipe Hex Plug
HP-R-16M-WPP	1 inch MNPT White Polypropylene Pipe Hex Plug
HP-R-16M-PTFE	1 inch MNPT PTFE Pipe Hex Plug
HP-R-16M-PPE	1 inch MNPT Polyethylene Pipe Hex Plug
HP-R-16M-PVDF	1 inch MNPT PVDF Pipe Hex Plug
HP-R-16M-GPVDF	1 inch MNPT Gray PVDF Pipe Hex Plug

## RB SERIES

The RB Series are standard pipe Reducer Bushings. They are made of Natural Nylon, Natural and Black Polypropylene, PVDF, PTFE, and PVC. Available in combinations of sizes from 1/8 inch to 3 inches in UNF and NPT male and female threads.



SKU	Description
RB-102M	1/8 MNPT by 10-32 Female Bushing
RB-142M	1/8 MNPT by 1/4-28 Female Bushing
RB-144M	1/4 MNPT by 1/4-28 Female Bushing
RB-4M2F	1/4 MNPT 1/8 FNPT Bushing
RB-6M2F	3/8 MNPT by 1/8 FNPT Bushing
RB-6M4F	3/8 MNPT by 1/4 FNPT Bushing
RB-8M2F	1/2 MNPT by 1/8 FNPT Bushing
RB-8M4F	1/2 MNPT by 1/4 FNPT Bushing
RB-8M6F	1/2 MNPT by 3/8 FNPT Bushing
RB-12M2F	3/4 MNPT by 1/8 FNPT Bushing

SKU	Description
RB-12M4F	3/4 MNPT by 1/4 FNPT Bushing
RB-12M6F	3/4 MNPT by 3/8 FNPT Bushing
RB-12M8F	3/4 MNPT by 1/2 FNPT Bushing
RB-16M12F	1 inch MNPT by 3/4 FNPT Bushing
RB-16M8F	1 inch MNPT by 1/2 FNPT Bushing
RB-114-12	1-1/4 MNPT by 3/4 FNPT Bushing
RB-114-16	1-1/4 MNPT by 1 inch FNPT Bushing
RB-112-114	1-1/2 MNPT by 1-1/4 FNPT Bushing
RB-112-12	1-1/2 MNPT by 3/4 FNPT Bushing
RB-112-16	1-1/2 MNPT by 1 inch FNPT Bushing
RB-2-112	2 inch MNPT by 1-1/2 FNPT Bushing
RB-2-114	2 inch MNPT by 1-1/4 FNPT Bushing
RB-2-16	2 inch MNPT by 1 inch FNPT Bushing
RB-3-2	3 inch MNPT by 2 inch FNPT Bushing

## FMA SERIES



The FMA Series are Street Elbows and are available in Nylon or Black Polypropylene. Sizes range from 1/8 inch to 3/4 inch male and female NPT threads.

SKU	Description
FMA-18-NN	1/8 inch MNPT by 1/8 inch FNPT Natural Nylon Street Elbow
FMA-18-BPP	1/8 inch MNPT by 1/8 inch FNPT Black Black Polypropylene Street Elbow
FMA-38-NN	3/8 inch MNPT by 3/8 inch FNPT Natural Nylon Street Elbow
FMA-38-BPP	3/8 inch MNPT by 3/8 inch FNPT Black Polypropylene Street Elbow
FMA-12-NN	1/2 inch MNPT by 1/2 inch FNPT Natural Nylon Street Elbow
FMA-12-BPP	1/2 inch MNPT by 1/2 inch FNPT Black Polypropylene Street Elbow
FMA-34-NN	3/4 inch MNPT by 3/4 inch FNPT Natural Nylon Street Elbow
FMA-34-BPP	3/4 inch MNPT by 3/4 inch FNPT Black Polypropylene Street Elbow



## HAE SERIES

The HAE Series is a male NPT by female NPT adapter pipe bushing made of 33% Glass-Filled Black Nylon. Available female and male NPT sizes come in combinations of: 1/8 inch, 1/4 inch, and 3/8 inch.

SKU	Description
HAE-2M4F-GFBN	1/8 inch MNPT by 1/4 inch FNPT Glass-Filled Black Nylon Pipe Bushing
HAE-4M4F-GFBN	1/4 inch MNPT by 1/4 inch FNPT Glass-Filled Black Nylon Pipe Bushing
HAE-4M6F-GFBN	1/4 inch MNPT by 3/8 inch FNPT Glass-Filled Black Nylon Pipe Bushing



## FTG SERIES

The FTG Series are female pipe Tees and Gauge Port Tees. Available in Natural Nylon or Black Polypropylene. The equal FNPT threads sizes available in the Tees are 1/4 inch to 3 inches. The 3/8-inch and 3-inch tees are only available in Black Polypropylene. The Gauge Port Tees are available in 1/2-inch to 2-inch FNPT threads. The 3/4 inch Gauge Port tee has a 1/4 inch or a 1/8 inch port. All other gauge port sizes have 1/4-inch ports. Also available in PTFE and natural Polypropylene.

SKU	Description
FTG-4	1/4 FNPT Pipe Tee
FTG-6	3/8 FNPT Pipe Tee
FTG-8	1/2 FNPT Pipe Tee
FTG-12	3/4 FNPT Pipe Tee
FTG-16	1 inch FNPT Pipe Tee
FTG-20	1-1/4 inch FNPT Pipe Tee
FTG-24	1-1/2 inch FNPT Pipe Tee
FTG-32	2 inch FNPT Pipe Tee
FTG-48	3 inch FNPT Pipe Tee
FTG-8-G4	1/2 FNPT Pipe Tee with 1/4 FNPT Gauge Port
FTG-12-G2	3/4 FNPT Pipe Tee with 1/8 FNPT Gauge Port

SKU	Description
FTG-12-G4	3/4 FNPT Pipe Tee with 1/4 FNPT Gauge Port
FTG-16-G4	1 inch FNPT Pipe Tee with 1/4 FNPT Gauge Port
FTG-20-G4	1-1/4 inch FNPT Pipe Tee with 1/4 FNPT Gauge Port



## FEP45 SERIES

The FEP45 Series is a 45° Elbow pipe fitting made of Black Polypropylene with some sizes available in Natural Nylon (see list below). It has male and female NPT threads from 1/4 inch to 3 inches.

SKU	Description
FEP45-14-BPP	1/4 inch MNPT by 1/4 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-4M4F-NN	1/4 inch MNPT by 1/4 inch FNPT Natural Nylon 45 Degree Pipe Elbow
FEP45-8M8F-BPP	1/2 inch MNPT by 1/2 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-34-BPP	3/4 inch MNPT by 3/4 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-34-NN	3/4 inch MNPT by 3/4 inch FNPT Natural Nylon 45 Degree Pipe Elbow
FEP45-16M16F-BPP	1 inch MNPT by 1 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-20M20F-BPP	1-1/4 inch MNPT by 1-1/4 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-24M24F-BPP	1-1/2 inch MNPT by 1-1/2 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-32M32F-BPP	2 inch MNPT by 2 inch FNPT Black Polypropylene 45 Degree Pipe Elbow
FEP45-48M48F-BPP	3 inch MNPT by 3 inch FNPT Black Polypropylene 45 Degree Pipe Elbow

## FFG SERIES



The FFG Series is a female NPT 90° Elbow pipe fitting made of Nylon and Black Polypropylene. Sizes range from 1/2 inch to 2 inches.

SKU	Description
FFG-12-BPP	1/2 inch FNPT Black Polypropylene Pipe Elbow
FFG-12-NN	1/2 inch FNPT Natural Nylon Pipe Elbow
FFG-34-BPP	3/4 inch FNPT Black Polypropylene Pipe Elbow
FFG-34-NN	3/4 inch FNPT Natural Nylon Pipe Elbow
FFG-1-NN	1 inch FNPT Natural Nylon Pipe Elbow
FFG-20-BPP	1-1/4 inch FNPT Black Polypropylene Pipe Elbow
FFG-20-NN	1-1/4 inch FNPT Natural Nylon Pipe Elbow
FFG-24-BPP	1-1/2 inch FNPT Black Polypropylene Pipe Elbow
FFG-24-NN	1-1/2 inch FNPT Natural Nylon Pipe Elbow
FFG-32-NN	2 inch FNPT Natural Nylon Pipe Elbow
FFG-1-BPP	2 inch FNPT Black Polypropylene Pipe Elbow



## FPC SERIES-PLASTIC FITTING

The FPC Series are equal connectors, and the FPRC Series are reducing connectors. Both series are available in Natural Nylon and Black Polypropylene. **The female threads allow a connection to two male fittings.** The female NPT threads range from 1/8 inch to 3 inches in both equal and reducing configurations. Reducing connectors 1 inch and above are not available in Natural Nylon.

SKU	Description
FPC-2F-BPP	1/8 inch FNPT Black Polypropylene Pipe Connector
FPC-2F-NN	1/8 inch FNPT Natural Nylon Pipe Connector
FPC-2FS-BPP	1/8 inch FNPT Black Polypropylene Short Pipe Connector
FPC-2FS-NN	1/8 inch FNPT Natural Nylon Short Pipe Connector
FPC-4F-BPP	1/4 inch FNPT Black Polypropylene Pipe Connector
FPC-4F-NN	1/4 inch FNPT Natural Nylon Pipe Connector
FPC-4FS-BPP	1/4 inch FNPT Black Polypropylene Short Pipe Connector

SKU	Description
FPC-4FS-NN	1/4 inch FNPT Natural Nylon Short Pipe Connector
FPC-6F-BPP	3/8 inch FNPT Black Polypropylene Pipe Connector
FPC-6F-NN	3/8 inch FNPT Natural Nylon Pipe Connector
FPC-8F-BPP	1/2 inch FNPT Black Polypropylene Pipe Connector
FPC-8F-NN	1/2 inch FNPT Natural Nylon Pipe Connector
FPC-12F-BPP	3/4 inch FNPT Black Polypropylene Pipe Connector
FPC-12F-NN	3/4 inch FNPT Natural Nylon Pipe Connector
FPC-16F-BPP	1 inch FNPT Black Polypropylene Pipe Connector
FPC-16F-NN	1 inch FNPT Natural Nylon Pipe Connector
FPC-20F-BPP	1-1/4 inch FNPT Black Polypropylene Pipe Connector
FPC-20F-NN	1-1/4 inch FNPT Natural Nylon Pipe Connector
FPC-24F-BPP	1-1/2 inch FNPT Black Polypropylene Pipe Connector
FPC-24F-NN	1-1/2 inch FNPT Natural Nylon Pipe Connector
FPC-32F-BPP	2 inch FNPT Black Polypropylene Pipe Connector
FPC-32F-NN	2 inch FNPT Natural Nylon Pipe Connector
FPC-48F-BPP	3 inch FNPT Black Polypropylene Pipe Connector
FPRC-4F2F-BPP	1/4 inch FNPT by 1/8 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-4F2F-NN	1/4 inch FNPT by 1/8 inch FNPT Natural Nylon Reducing Pipe Connector
FPRC-6F2F-BPP	3/8 inch FNPT by 1/8 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-6F2F-NN	3/8 inch FNPT by 1/8 inch FNPT Natural Nylon Reducing Pipe Connector
FPRC-6F4F-BPP	3/8 inch FNPT by 1/4 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-6F4F-NN	3/8 inch FNPT by 1/4 inch FNPT Natural Nylon Reducing Pipe Connector
FPRC-8F6F-BPP	1/2 inch FNPT by 3/8 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-8F6F-NN	1/2 inch FNPT by 3/8 inch FNPT Natural Nylon Reducing Pipe Connector
FPRC-12F6F-BPP	3/4 inch FNPT by 3/8 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-12F6F-NN	3/4 inch FNPT by 3/8 inch FNPT Natural Nylon Reducing Pipe Connector
FPRC-12F8F-BPP	3/4 inch FNPT by 1/2 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-12F8F-NN	3/4 inch FNPT by 1/2 inch FNPT Natural Nylon Reducing Pipe Connector
FPRC-16F12F-BPP	1 inch FNPT by 3/4 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-24F16F-BPP	1-1/2 inch FNPT by 1 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-24F20F-BPP	1-1/2 inch FNPT by 1-1/4 inch FNPT Black Polypropylene Reducing Pipe Connector

SKU	Description
FPRC-32F16F-BPP	2 inch FNPT by 1 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-32F20F-BPP	2 inch FNPT by 1-1/4 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-32F24F-BPP	2 inch FNPT by 1-1/2 inch FNPT Black Polypropylene Reducing Pipe Connector
FPRC-48F32F-BPP	3 inch FNPT by 2 inch FNPT Black Polypropylene Reducing Pipe Connector

## HN-T SERIES



The HN-T Series comprises Pipe Nipples and Reducers in Natural Nylon, Black Polyethylene, and Black and Natural Polypropylene. The sizes range from 1/8 inch to 1 inch. The 1-inch is available in Black Polypropylene only.

SKU	Description
HN-T-2M-NN	1/8 inch MNPT Natural Nylon Pipe Hex Nipple
HN-T-2M-BPE	1/8 inch MNPT Black Polyethylene Pipe Hex Nipple
HN-T-2M-BPP	1/8 inch MNPT Black Polypropylene Pipe Hex Nipple
HN-T-2M-NPP	1/8 inch MNPT Natural Polypropylene Pipe Hex Nipple
HN-T-4M-NN	1/4 inch MNPT Natural Nylon Pipe Hex Nipple
HN-T-4M-BPE	1/4 inch MNPT Black Polyethylene Pipe Hex Nipple
HN-T-4M-BPP	1/4 inch MNPT Black Polypropylene Pipe Hex Nipple
HN-T-4M-NPP	1/4 inch MNPT Natural Polypropylene Pipe Hex Nipple
HN-T-6M-NN	3/8 inch MNPT Natural Nylon Pipe Hex Nipple
HN-T-6M-BPE	3/8 inch MNPT Black Polyethylene Pipe Hex Nipple
HN-T-6M-BPP	3/8 inch MNPT Black Polypropylene Pipe Hex Nipple
HN-T-6M-NPP	3/8 inch MNPT Natural Polypropylene Pipe Hex Nipple
HN-T-8M-NN	1/2 inch MNPT Natural Nylon Pipe Hex Nipple
HN-T-8M-BPE	1/2 inch MNPT Black Polyethylene Pipe Hex Nipple
HN-T-8M-BPP	1/2 inch MNPT Black Polypropylene Pipe Hex Nipple
HN-T-8M-NPP	1/2 inch MNPT Natural Polypropylene Pipe Hex Nipple
HN-T-12M-NN	3/4 inch MNPT Natural Nylon Pipe Hex Nipple
HN-T-12M-BPE	3/4 inch MNPT Black Polyethylene Pipe Hex Nipple
HN-T-12M-BPP	3/4 inch MNPT Black Polypropylene Pipe Hex Nipple
HN-T-12M-NPP	3/4 inch MNPT Natural Polypropylene Pipe Hex Nipple



SKU	Description
HN-T-16M-BPP	1 inch MNPT Black Polypropylene Pipe Hex Nipple
HN-T-4M2M-NN	1/4 inch MNPT by 1/8 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-4M2M-BPE	1/4 inch MNPT by 1/8 inch MNPT Black Polyethylene Pipe Hex Reducer
HN-T-4M2M-BPP	1/4 inch MNPT by 1/8 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-4M2M-NPP	1/4 inch MNPT by 1/8 inch MNPT Natural Polypropylene Pipe Hex Reducer
HN-T-6M2M-NN	3/8 inch MNPT by 1/8 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-6M2M-BPE	3/8 inch MNPT by 1/8 inch MNPT Black Polyethylene Pipe Hex Reducer
HN-T-6M2M-BPP	3/8 inch MNPT by 1/8 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-6M2M-NPP	3/8 inch MNPT by 1/8 inch MNPT Natural Polypropylene Pipe Hex Reducer
HN-T-6M4M-NN	3/8 inch MNPT by 1/4 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-6M4M-BPE	3/8 inch MNPT by 1/4 inch MNPT Black Polyethylene Pipe Hex Reducer
HN-T-6M4M-BPP	3/8 inch MNPT by 1/4 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-6M4M-NPP	3/8 inch MNPT by 1/4 inch MNPT Natural Polypropylene Pipe Hex Reducer
HN-T-8M2M-NN	1/2 inch MNPT by 1/8 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-8M2M-BPE	1/2 inch MNPT by 1/8 inch MNPT Black Polyethylene Pipe Hex Reducer
HN-T-8M2M-BPP	1/2 inch MNPT by 1/8 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-8M2M-NPP	1/2 inch MNPT by 1/8 inch MNPT Natural Polypropylene Pipe Hex Reducer
HN-T-8M4M-NN	1/2 inch MNPT by 1/4 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-8M4M-BPE	1/2 inch MNPT by 1/4 inch MNPT Black Polyethylene Pipe Hex Reducer
HN-T-8M4M-BPP	1/2 inch MNPT by 1/4 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-8M4M-NPP	1/2 inch MNPT by 1/4 inch MNPT Natural Polypropylene Pipe Hex Reducer
HN-T-12M8M-NN	3/4 inch MNPT by 1/2 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-12M8M-BPE	3/4 inch MNPT by 1/2 inch MNPT Black Polyethylene Pipe Hex Reducer
HN-T-12M8M-BPP	3/4 inch MNPT by 1/2 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-12M8M-NPP	3/4 inch MNPT by 1/2 inch MNPT Natural Polypropylene Pipe Hex Reducer
HN-T-16M8M-BPP	1 inch MNPT by 1/2 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-16M12M-BPP	1 inch MNPT by 3/4 inch MNPT Black Polypropylene Pipe Hex Reducer

SKU	Description
HN-T-20M12M-BPP	1-1/4 inch MNPT by 3/4 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-20M16M-NN	1-1/4 inch MNPT by 1 inch MNPT Natural Nylon Pipe Hex Reducer
HN-T-20M16M-BPP	1-1/4 inch MNPT by 1 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-24M16M-BPP	1-1/2 inch MNPT by 1 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-24M20M-BPP	1-1/2 inch MNPT by 1-1/4 inch MNPT Black Polypropylene Pipe Hex Pipe Hex Reducer
HN-T-32M20M-BPP	2 inch MNPT by 1-1/4 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-32M24M-BPP	2 inch MNPT by 1-1/2 inch MNPT Black Polypropylene Pipe Hex Reducer
HN-T-48M32M-BPP	3 inch MNPT by 2 inch MNPT Black Polypropylene Pipe Hex Reducer



## HN-R SERIES

The HN-R Series is a male-by-male NPT Hex Nipple and Hex Nipple reducer. It comes in Natural, Black, and Glass-Filled Black Nylon, Natural Polypropylene, Gray PVDF, and Polyethylene. The Polyethylene is certified NSF 51/61. Available sizes range from 1/8 inch to 1 inch.

SKU	Description
HN-R-2M	1/8 MNPT Hex Nipple
HN-R-4M	1/4 MNPT Hex Nipple
HN-R-6M	3/8 MNPT Hex Nipple
HN-R-8M	1/2 MNPT Hex Nipple
HN-R-12M	3/4 MNPT Hex Nipple
HN-R-16M	1 inch MNPT Hex Nipple
HN-R-6M2M	3/8 MNPT by 1/8 MNPT Standard Pipe Hex Reducer Nipple
HN-R-6M4M	3/8 MNPT by 1/4 MNPT Standard Pipe Hex Reducer Nipple
HN-R-8M2M	1/2 MNPT by 1/8 MNPT Standard Pipe Hex Reducer Nipple
HN-R-8M4M	1/2 MNPT by 1/4 MNPT Standard Pipe Hex Reducer Nipple
HN-R-8M6M	1/2 MNPT by 3/8 MNPT Standard Pipe Hex Reducer Nipple
HN-R-16M12M	1 inch MNPT by 3/4 MNPT Standard Pipe Hex Reducer Nipple

## HN SERIES



The HN Series is a male-by-male Hex Nipple with 10-32 inch UNF and 10-32 inch UNF tapered threads. It is available in Natural Polypropylene.

### SKU

### Description

HN-10 10-32 inch Male UNF Natural Polypropylene Hex Nipple Connector

HN-10T 10-32 inch Male UNF Taper Natural Polypropylene Hex Nipple Connector

## DTP-S SERIES



The DTP-S Series fittings are in four-port elbow tee configurations. Included in this series is the [DTTP-S Series](#), which is a six-port double tee configuration. Both series have single barbs with no parting line, and the barbs will expand tubing 50% above its normal size. In addition, the materials available are White Nylon and Natural Polypropylene. Furthermore, all the barbs on each fitting are equal to 1/16-inch, 3/32 inch, and 1/8 inch. These fittings are recommended for medical and laboratory environments.

### SKU

### Description

DTP-S-1B	1/16 Single Barb Double Tee
DTP-S-2B	1/8 Single Barb Double Tee
DTP-S-332	3/32 Single Barb Double Tee
DTTP-S-1B	1/16 Single Barb Quad Tee
DTTP-S-2B	1/8 Single Barb Quad Tee
DTTP-S-332B	3/32 Single Barb Quad Tee



## AML-S SERIES

AML-S Series are Male NPT threads by single barbed Elbow Adapters. Available materials are White and Black Nylon, and Natural Polypropylene. There is no parting line on the barb. The male NPT thread size is 1/8 inch and the barb sizes are 1/16 inch, 1/8 inch, 3/32 inch, 3/16 inch, and 1/4 inch.

SKU	Description
AML-S-2M1B-BN	1/8 inch MNPT by 1/16 inch Black Nylon
AML-S-2M1B-NPP	1/8 inch MNPT by 1/16 inch Natural Polypropylene
AML-S-2M1B-WN	1/8 inch MNPT by 1/16 inch White Nylon
AML-S-2M332B-BN	1/8 inch MNPT by 3/32 inch Black Nylon
AML-S-2M332B-NPP	1/8 inch MNPT by 3/32 inch Natural Polypropylene
AML-S-2M332B-WN	1/8 inch MNPT by 3/32 inch White Nylon
AML-S-2M2B-BN	1/8 inch MNPT by 1/8 inch Black Nylon
AML-S-2M2B-NPP	1/8 inch MNPT by 1/8 inch Natural Polypropylene
AML-S-2M2B-WN	1/8 inch MNPT by 1/8 inch White Nylon
AML-S-2M3B-BN	1/8 inch MNPT by 3/16 inch Black Nylon
AML-S-2M3B-NPP	1/8 inch MNPT by 3/16 inch Natural Polypropylene
AML-S-2M3B-WN	1/8 inch MNPT by 3/16 inch White Nylon
AML-S-2M4B-BN	1/8 inch MNPT by 1/4 inch Black Nylon
AML-S-2M4B-NPP	1/8 inch MNPT by 1/4 inch Natural Polypropylene
AML-S-2M4B-WN	1/8 inch MNPT by 1/4 inch White Nylon

## ALS-IG SERIES



The ALS-IG Series Swivel Adapter Elbow allows tubing to be rotated 360° into position without crimping. These Swivel Elbows are made of Black Nylon. The male threads are 10-32 inch UNF or 1/8 inch and 1/4 inch male NPT. The barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch. The 10-32 inch UNF threads are self-sealing, and the 1/8 inch and 1/4 inch threads seal with a Buna-N, EPDM, or Viton® O-Ring. The working pressure is 125 psi and the working temperature range is -50° F to 180° F.

SKU	Description
ALS-IG-10X1B	10-32 inch Male UNF by 1/16 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-10X332B	10-32 inch Male UNF by 3/32 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-10X2B	10-32 inch Male UNF by 1/8 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-2MX1B	1/8 inch MNPT by 1/16 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-2MX332B	1/8 inch MNPT by 3/32 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-2MX2B	1/8 inch MNPT by 1/8 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-4MX1B	1/4 inch MNPT by 1/16 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-4MX332B	1/4 inch MNPT by 3/32 inch Black Nylon Single Barbed Elbow Swivel
ALS-IG-4MX2B	1/4 inch MNPT by 1/8 inch Black Nylon Single Barbed Elbow Swivel

## AL-I SERIES



AL-I Series is an industrial male NPT thread by single barb Elbow Adapter. The three available sizes are 1/8 inch MNPT by 1/8 inch barb in Polypropylene, 1/8 inch MNPT by 3/16 inch barb in Natural Nylon, and 1/8 inch MNPT by 1/4 inch barb in Natural Nylon.

### SKU

### Description

AL-I-2M2B-PP 1/8 inch MNPT by 1/8 inch Polypropylene Single Barbed Adapter

AL-I-2M3B-NN 1/8 inch MNPT by 3/16 inch Natural Nylon Single Barbed Adapter

AL-I-2M4B-NN 1/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter

## AL-R SERIES



AL-R Series standard Elbow Adapters have male NPT threads of 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. The single barb sizes range from 1/8 inch to 1 inch. This adapter is available in Natural, White, and Black Nylon, Glass-Filled Black Nylon, Natural and White Polypropylene, Natural and Gray PVDF, and High-Density Polyethylene. BSPT threads are also available. Material availability may vary with size.

### SKU

### Description

AL-R-2M2B-NN 1/8 inch MNPT by 1/8 inch Natural Nylon Single Barbed Adapter

AL-R-2M2B-WN 1/8 inch MNPT by 1/8 inch White Nylon Single Barbed Adapter

AL-R-2M2B-NPP 1/8 inch MNPT by 1/8 inch Natural Polypropylene Single Barbed Adapter

AL-R-2M2B-WPP 1/8 inch MNPT by 1/8 inch White Polypropylene Single Barbed Adapter

AL-R-2M2B-PVDF 1/8 inch MNPT by 1/8 inch PVDF Single Barbed Adapter

AL-R-2M2B-PVDFG 1/8 inch MNPT by 1/8 inch Gray PVDF Single Barbed Adapter

AL-R-2M4B-AC 1/8 inch MNPT by 1/4 inch Acetal Single Barbed Adapter

AL-R-2M4B-NN 1/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter

AL-R-2M4B-WN 1/8 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter

AL-R-2M4B-BN 1/8 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter

SKU	Description
AL-R-2M4B-GFBN	1/8 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-2M4B-NPP	1/8 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M4B-WPP	1/8 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-2M4B-PVDF	1/8 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-2M4B-PVDFG	1/8 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-2M4B-HDPE	1/8 inch MNPT by 1/4 inch Gray High-Density Polyethylene Single Barbed Adapter
AL-R-2M532B-NN	1/8 inch MNPT by 5/32 inch Natural Nylon Single Barbed Adapter
AL-R-2M532B-WN	1/8 inch MNPT by 5/32 inch White Nylon Single Barbed Adapter
AL-R-2M532B-BN	1/8 inch MNPT by 5/32 inch Black Nylon Single Barbed Adapter
AL-R-2M532B-GFBN	1/8 inch MNPT by 5/32 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-2M532B-NPP	1/8 inch MNPT by 5/32 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M532B-WPP	1/8 inch MNPT by 5/32 inch White Polypropylene Single Barbed Adapter
AL-R-2M532B-PVDF	1/8 inch MNPT by 5/32 inch PVDF Single Barbed Adapter
AL-R-2M532B-PVDFG	1/8 inch MNPT by 5/32 inch Gray PVDF Single Barbed Adapter
AL-R-2M532B-HDPE	1/8 inch MNPT by 5/32 inch High-Density Polyethylene Single Barbed Adapter
AL-R-2M5B-NN	1/8 inch MNPT by 5/16 inch Natural Nylon Single Barbed Adapter
AL-R-2M5B-WN	1/8 inch MNPT by 5/16 inch White Nylon Single Barbed Adapter
AL-R-2M5B-BN	1/8 inch MNPT by 5/16 inch Black Nylon Single Barbed Adapter
AL-R-2M5B-GFBN	1/8 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-2M5B-NPP	1/8 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M5B-WPP	1/8 inch MNPT by 5/16 inch White Polypropylene Single Barbed Adapter
AL-R-2M5B-PVDF	1/8 inch MNPT by 5/16 inch PVDF Single Barbed Adapter
AL-R-2M5B-PVDFG	1/8 inch MNPT by 5/16 inch Gray PVDF Single Barbed Adapter
AL-R-2M5B-HDPE	1/8 inch MNPT by 5/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-2M6B-NN	1/8 inch MNPT by 3/8 inch Natural Nylon Single Barbed Adapter
AL-R-2M6B-WN	1/8 inch MNPT by 3/8 inch White Nylon Single Barbed Adapter
AL-R-2M6B-BN	1/8 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-2M6B-GFBN	1/8 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter

SKU	Description
AL-R-2M6B-NPP	1/8 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-2M6B-WPP	1/8 inch MNPT by 3/8 inch White Polypropylene Single Barbed Adapter
AL-R-2M6B-PVDF	1/8 inch MNPT by 3/8 inch PVDF Single Barbed Adapter
AL-R-2M6B-PVDFG	1/8 inch MNPT by 3/8 inch Gray PVDF Single Barbed Adapter
AL-R-2M6B-HDPE	1/8 inch MNPT by 3/8 inch Polyethylene Single Barbed Adapter
AL-R-4M2B-NN	1/4 inch MNPT by 1/8 inch Natural Nylon Single Barbed Adapter
AL-R-4M2B-WN	1/4 inch MNPT by 1/8 inch White Nylon Single Barbed Adapter
AL-R-4M2B-BN	1/4 inch MNPT by 1/8 inch Black Nylon Single Barbed Adapter
AL-R-4M2B-GFBN	1/4 inch MNPT by 1/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M2B-NPP	1/4 inch MNPT by 1/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M2B-WPP	1/4 inch MNPT by 1/8 inch White Polypropylene Single Barbed Adapter
AL-R-4M2B-PVDF	1/4 inch MNPT by 1/8 inch PVDF Single Barbed Adapter
AL-R-4M2B-PVDFG	1/4 inch MNPT by 1/8 inch Gray PVDF Single Barbed Adapter
AL-R-4M2B-HDPE	1/4 inch MNPT by 1/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M3B-NN	1/4 inch MNPT by 3/16 inch Natural Nylon Single Barbed Adapter
AL-R-4M3B-WN	1/4 inch MNPT by 3/16 inch White Nylon Single Barbed Adapter
AL-R-4M3B-BN	1/4 inch MNPT by 3/16 inch Black Nylon Single Barbed Adapter
AL-R-4M3B-GFBN	1/4 inch MNPT by 3/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M3B-NPP	1/4 inch MNPT by 3/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M3B-WPP	1/4 inch MNPT by 3/16 inch White Polypropylene Single Barbed Adapter
AL-R-4M3B-PVDF	1/4 inch MNPT by 3/16 inch PVDF Single Barbed Adapter
AL-R-4M3B-PVDFG	1/4 inch MNPT by 3/16 inch Gray PVDF Single Barbed Adapter
AL-R-4M3B-HDPE	1/4 inch MNPT by 3/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M4B-NN	1/4 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-4M4B-WN	1/4 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-4M4B-BN	1/4 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-4M4B-GFBN	1/4 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M4B-NPP	1/4 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M4B-WPP	1/4 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-4M4B-PVDF	1/4 inch MNPT by 1/4 inch PVDF Single Barbed Adapter



SKU	Description
AL-R-4M4B-PVDFG	1/4 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-4M4B-HDPE	1/4 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M532-NN	1/4 inch MNPT by 5/32 inch Natural Nylon Single Barbed Adapter
AL-R-4M532-WN	1/4 inch MNPT by 5/32 inch White Nylon Single Barbed Adapter
AL-R-4M532-BN	1/4 inch MNPT by 5/32 inch Black Nylon Single Barbed Adapter
AL-R-4M532-GFBN	1/4 inch MNPT by 5/32 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M532-NPP	1/4 inch MNPT by 5/32 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M532-WPP	1/4 inch MNPT by 5/32 inch White Polypropylene Single Barbed Adapter
AL-R-4M532-PVDF	1/4 inch MNPT by 5/32 inch PVDF Single Barbed Adapter
AL-R-4M532-PVDFG	1/4 inch MNPT by 5/32 inch Gray PVDF Single Barbed Adapter
AL-R-4M532-HDPE	1/4 inch MNPT by 5/32 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M5B-NN	1/4 inch MNPT by 5/16 inch Natural Nylon Single Barbed Adapter
AL-R-4M5B-WN	1/4 inch MNPT by 5/16 inch White Nylon Single Barbed Adapter
AL-R-4M5B-BN	1/4 inch MNPT by 5/16 inch Black Nylon Single Barbed Adapter
AL-R-4M5B-GFBN	1/4 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M5B-NPP	1/4 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M5B-WPP	1/4 inch MNPT by 5/16 inch White Polypropylene Single Barbed Adapter
AL-R-4M5B-PVDF	1/4 inch MNPT by 5/16 inch PVDF Single Barbed Adapter
AL-R-4M5B-PVDFG	1/4 inch MNPT by 5/16 inch Gray PVDF Single Barbed Adapter
AL-R-4M5B-HDPE	1/4 inch MNPT by 5/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-4M6B-BN	1/4 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-4M6B-GFBN	1/4 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M8B-NN	1/4 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-4M8B-WN	1/4 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-4M8B-BN	1/4 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter
AL-R-4M8B-GFBN	1/4 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-4M8B-NPP	1/4 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-4M8B-WPP	1/4 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-4M8B-PVDF	1/4 inch MNPT by 1/2 inch PVDF Single Barbed Adapter

SKU	Description
AL-R-4M8B-PVDFG	1/4 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-4M8B-HDPE	1/4 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-6M4B-NN	3/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-6M4B-WN	3/8 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-6M4B-BN	3/8 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-6M4B-GFBN	3/8 inch MNPT by 1/4 inch Natural Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M4B-NPP	3/8 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-6M4B-WPP	3/8 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-6M4B-PVDF	3/8 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-6M4B-PVDFG	3/8 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-6M4B-HDPE	3/8 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-6M5B-NN	3/8 inch MNPT by 5/16 inch Natural Nylon Single Barbed Adapter
AL-R-6M5B-WN	3/8 inch MNPT by 5/16 inch White Nylon Single Barbed Adapter
AL-R-6M5B-BN	3/8 inch MNPT by 5/16 inch Black Nylon Single Barbed Adapter
AL-R-6M5B-GFBN	3/8 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M5B-NPP	3/8 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Adapter
AL-R-6M5B-WPP	3/8 inch MNPT by 5/16 inch White Polypropylene Single Barbed Adapter
AL-R-6M5B-PVDF	3/8 inch MNPT by 5/16 inch PVDF Single Barbed Adapter
AL-R-6M5B-PVDFG	3/8 inch MNPT by 5/16 inch Gray PVDF Single Barbed Adapter
AL-R-6M5B-HDPE	3/8 inch MNPT by 5/16 inch High-Density Polyethylene Single Barbed Adapter
AL-R-6M6B-NN	3/8 NPT by 3/8 Barb Elbow Natural Nylon Single Barbed Adapter
AL-R-6M6B-WN	3/8 NPT by 3/8 Barb Elbow White Nylon Single Barbed Adapter
AL-R-6M6B-BN	3/8 NPT by 3/8 Barb Elbow Black Nylon Single Barbed Adapter
AL-R-6M6B-GFBN	3/8 NPT by 3/8 Barb Elbow Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M6B-NPP	3/8 NPT by 3/8 Barb Elbow Natural Polypropylene Single Barbed Adapter
AL-R-6M6B-WPP	3/8 NPT by 3/8 Barb Elbow White Polypropylene Single Barbed Adapter
AL-R-6M6B-PVDF	3/8 NPT by 3/8 Barb Elbow PVDF Single Barbed Adapter
AL-R-6M6B-PVDFG	3/8 NPT by 3/8 Barb Elbow Gray PVDF Single Barbed Adapter
AL-R-6M6B-HDPE	3/8 NPT by 3/8 Barb Elbow High-Density Polyethylene Single Barbed Adapter

SKU	Description
AL-R-6M8B-NN	3/8 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-6M8B-WN	3/8 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-6M8B-BN	3/8 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter
AL-R-6M8B-GFBN	3/8 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-6M8B-NPP	3/8 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-6M8B-WPP	3/8 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-6M8B-PVDF	3/8 inch MNPT by 1/2 inch PVDF Single Barbed Adapter
AL-R-6M8B-PVDFG	3/8 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-6M8B-HDPE	3/8 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M4B-NN	1/2 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-8M4B-WN	1/2 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-8M4B-BN	1/2 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-8M4B-GFBN	1/2 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M4B-NPP	1/2 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M4B-WPP	1/2 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-8M4B-PVDF	1/2 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-8M4B-PVDFG	1/2 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-8M4B-HDPE	1/2 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M6B-NN	1/2 inch MNPT by 3/8 inch Natural Nylon Single Barbed Adapter
AL-R-8M6B-WN	1/2 inch MNPT by 3/8 inch White Nylon Single Barbed Adapter
AL-R-8M6B-BN	1/2 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-8M6B-GFBN	1/2 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M6B-NPP	1/2 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M6B-WPP	1/2 inch MNPT by 3/8 inch White Polypropylene Single Barbed Adapter
AL-R-8M6B-PVDF	1/2 inch MNPT by 3/8 inch PVDF Single Barbed Adapter
AL-R-8M6B-PVDFG	1/2 inch MNPT by 3/8 inch Gray PVDF Single Barbed Adapter
AL-R-8M6B-HDPE	1/2 inch MNPT by 3/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M8B-NN	1/2 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-8M8B-WN	1/2 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-8M8B-BN	1/2 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter

SKU	Description
AL-R-8M8B-GFBN	1/2 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M8B-NPP	1/2 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M8B-WPP	1/2 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-8M8B-PVDF	1/2 inch MNPT by 1/2 inch PVDF Single Barbed Adapter
AL-R-8M8B-PVDFG	1/2 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-8M8B-HDPE	1/2 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M10B-NN	1/2 inch MNPT by 5/8 inch Natural Nylon Single Barbed Adapter
AL-R-8M10B-WN	1/2 inch MNPT by 5/8 inch White Nylon Single Barbed Adapter
AL-R-8M10B-BN	1/2 inch MNPT by 5/8 inch Black Nylon Single Barbed Adapter
AL-R-8M10B-GFBN	1/2 inch MNPT by 5/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M10B-NPP	1/2 inch MNPT by 5/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M10B-WPP	1/2 inch MNPT by 5/8 inch White Polypropylene Single Barbed Adapter
AL-R-8M10B-PVDF	1/2 inch MNPT by 5/8 inch PVDF Single Barbed Adapter
AL-R-8M10B-PVDFG	1/2 inch MNPT by 5/8 inch Gray PVDF Single Barbed Adapter
AL-R-8M10B-HDPE	1/2 inch MNPT by 5/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-8M12B-NN	1/2 inch MNPT by 3/4 inch Natural Nylon Single Barbed Adapter
AL-R-8M12B-WN	1/2 inch MNPT by 3/4 inch White Nylon Single Barbed Adapter
AL-R-8M12B-BN	1/2 inch MNPT by 3/4 inch Black Nylon Single Barbed Adapter
AL-R-8M12B-GFBN	1/2 inch MNPT by 3/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-8M12B-NPP	1/2 inch MNPT by 3/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-8M12B-WPP	1/2 inch MNPT by 3/4 inch White Polypropylene Single Barbed Adapter
AL-R-8M12B-PVDF	1/2 inch MNPT by 3/4 inch PVDF Single Barbed Adapter
AL-R-8M12B-PVDFG	1/2 inch MNPT by 3/4 inch Gray PVDF Single Barbed Adapter
AL-R-8M12B-HDPE	1/2 inch MNPT by 3/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M4B-NN	3/4 inch MNPT by 1/4 inch Natural Nylon Single Barbed Adapter
AL-R-12M4B-WN	3/4 inch MNPT by 1/4 inch White Nylon Single Barbed Adapter
AL-R-12M4B-BN	3/4 inch MNPT by 1/4 inch Black Nylon Single Barbed Adapter
AL-R-12M4B-GFBN	3/4 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M4B-NPP	3/4 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Adapter

SKU	Description
AL-R-12M4B-WPP	3/4 inch MNPT by 1/4 inch White Polypropylene Single Barbed Adapter
AL-R-12M4B-PVDF	3/4 inch MNPT by 1/4 inch PVDF Single Barbed Adapter
AL-R-12M4B-PVDFG	3/4 inch MNPT by 1/4 inch Gray PVDF Single Barbed Adapter
AL-R-12M4B-HDPE	3/4 inch MNPT by 1/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M6B-NN	3/4 inch MNPT by 3/8 inch Natural Nylon Single Barbed Adapter
AL-R-12M6B-WN	3/4 inch MNPT by 3/8 inch White Nylon Single Barbed Adapter
AL-R-12M6B-BN	3/4 inch MNPT by 3/8 inch Black Nylon Single Barbed Adapter
AL-R-12M6B-GFBN	3/4 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M6B-NPP	3/4 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M6B-WPP	3/4 inch MNPT by 3/8 inch White Polypropylene Single Barbed Adapter
AL-R-12M6B-PVDF	3/4 inch MNPT by 3/8 inch PVDF Single Barbed Adapter
AL-R-12M6B-PVDFG	3/4 inch MNPT by 3/8 inch Gray PVDF Single Barbed Adapter
AL-R-12M6B-HDPE	3/4 inch MNPT by 3/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M8B-NN	3/4 inch MNPT by 1/2 inch Natural Nylon Single Barbed Adapter
AL-R-12M8B-WN	3/4 inch MNPT by 1/2 inch White Nylon Single Barbed Adapter
AL-R-12M8B-BN	3/4 inch MNPT by 1/2 inch Black Nylon Single Barbed Adapter
AL-R-12M8B-GFBN	3/4 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M8B-NPP	3/4 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M8B-WPP	3/4 inch MNPT by 1/2 inch White Polypropylene Single Barbed Adapter
AL-R-12M8B-PVDF	3/4 inch MNPT by 1/2 inch PVDF Single Barbed Adapter
AL-R-12M8B-PVDFG	3/4 inch MNPT by 1/2 inch Gray PVDF Single Barbed Adapter
AL-R-12M8B-HDPE	3/4 inch MNPT by 1/2 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M10B-NN	3/4 inch MNPT by 5/8 inch Natural Nylon Single Barbed Adapter
AL-R-12M10B-WN	3/4 inch MNPT by 5/8 inch White Nylon Single Barbed Adapter
AL-R-12M10B-BN	3/4 inch MNPT by 5/8 inch Black Nylon Single Barbed Adapter
AL-R-12M10B-GFBN	3/4 inch MNPT by 5/8 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M10B-NPP	3/4 inch MNPT by 5/8 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M10B-WPP	3/4 inch MNPT by 5/8 inch White Polypropylene Single Barbed Adapter
AL-R-12M10B-PVDF	3/4 inch MNPT by 5/8 inch PVDF Single Barbed Adapter
AL-R-12M10B-PVDFG	3/4 inch MNPT by 5/8 inch Gray PVDF Single Barbed Adapter

SKU	Description
AL-R-12M10B-HDPE	3/4 inch MNPT by 5/8 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M12B-NN	3/4 inch MNPT by 3/4 inch Natural Nylon Single Barbed Adapter
AL-R-12M12B-WN	3/4 inch MNPT by 3/4 inch White Nylon Single Barbed Adapter
AL-R-12M12B-BN	3/4 inch MNPT by 3/4 inch Black Nylon Single Barbed Adapter
AL-R-12M12B-GFBN	3/4 inch MNPT by 3/4 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M12B-NPP	3/4 inch MNPT by 3/4 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M12B-WPP	3/4 inch MNPT by 3/4 inch White Polypropylene Single Barbed Adapter
AL-R-12M12B-PVDF	3/4 inch MNPT by 3/4 inch PVDF Single Barbed Adapter
AL-R-12M12B-PVDFG	3/4 inch MNPT by 3/4 inch Gray PVDF Single Barbed Adapter
AL-R-12M12B-HDPE	3/4 inch MNPT by 3/4 inch High-Density Polyethylene Single Barbed Adapter
AL-R-12M16B-NN	3/4 inch MNPT by 1 inch Natural Nylon Single Barbed Adapter
AL-R-12M16B-WN	3/4 inch MNPT by 1 inch White Nylon Single Barbed Adapter
AL-R-12M16B-BN	3/4 inch MNPT by 1 inch Black Nylon Single Barbed Adapter
AL-R-12M16B-GFBN	3/4 inch MNPT by 1 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-12M16B-NPP	3/4 inch MNPT by 1 inch Natural Polypropylene Single Barbed Adapter
AL-R-12M16B-WPP	3/4 inch MNPT by 1 inch White Polypropylene Single Barbed Adapter
AL-R-12M16B-PVDF	3/4 inch MNPT by 1 inch PVDF Single Barbed Adapter
AL-R-12M16B-PVDFG	3/4 inch MNPT by 1 inch Gray PVDF Single Barbed Adapter
AL-R-12M16B-HDPE	3/4 inch MNPT by 1 inch High-Density Polyethylene Single Barbed Adapter
AL-R-16M16B-NN	1 inch MNPT by 1 inch Natural Nylon Single Barbed Adapter
AL-R-16M16B-WN	1 inch MNPT by 1 inch White Nylon Single Barbed Adapter
AL-R-16M16B-BN	1 inch MNPT by 1 inch Black Nylon Single Barbed Adapter
AL-R-16M16B-GFBN	1 inch MNPT by 1 inch Glass-Filled Black Nylon Single Barbed Adapter
AL-R-16M16B-NPP	1 inch MNPT by 1 inch Natural Polypropylene Single Barbed Adapter
AL-R-16M16B-WPP	1 inch MNPT by 1 inch White Polypropylene Single Barbed Adapter
AL-R-16M16B-PVDF	1 inch MNPT by 1 inch PVDF Single Barbed Adapter
AL-R-16M16B-PVDFG	1 inch MNPT by 1 inch Gray PVDF Single Barbed Adapter
AL-R-16M16B-HDPE	1 inch MNPT by 1 inch High-Density Polyethylene Single Barbed Adapter

## USTM SERIES

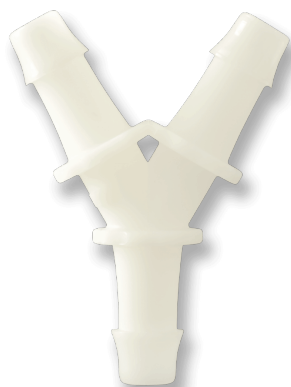


USTM Series is a male UNF thread by single barb Adapter. The available Male UNF thread size is 5/16-24 inches, and the available barb sizes are 3/32 inches, 1/8 inch, 5/32 inch, and 3/16 inch. These adapters are made of Acetal. It is sterilizable with Gamma Radiation, EtO, and Autoclave.

### SKU

### Description

USTM-332AC	5/16-24 inch Male UNF by 3/32 inch Acetal Single Barbed Adapter
USTM-2AC	5/16-24 inch Male UNF by 1/8 inch Acetal Single Barbed Adapter
USTM-532AC	5/16-24 inch Male UNF by 5/32 inch Acetal Single Barbed Adapter
USTM-3AC	5/16-24 inch Male UNF by 3/16 inch Acetal Single Barbed Adapter



## Y-U SERIES

Y-U Series is an ultimate Wye tube fitting. This series has equal single barbs and is designed to work with a wide range of tubing types and sizes. It is available in Nylon or Polypropylene. Barb sizes are 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. These Wyes are used in medical and laboratory environments.

### SKU

### Description

Y-U-6B-NN	3/8 inch Natural Nylon Single Barbed Wye Connector
Y-U-6B-NPP	3/8 inch Natural Polypropylene Single Barbed Wye Connector
Y-U-8B-NN	1/2 inch Natural Nylon Single Barbed Wye Connector
Y-U-8B-NPP	1/2 inch Natural Polypropylene Single Barbed Wye Connector
Y-U-12B-NN	3/4 inch Natural Nylon Single Barbed Wye Connector
Y-U-12B-NPP	3/4 inch Natural Polypropylene Single Barbed Wye Connector
Y-U-16B-NN	1 inch Natural Nylon Single Barbed Wye Connector
Y-U-16B-NPP	1 inch Natural Polypropylene Single Barbed Wye Connector



## VC-Y SERIES

The VC-Y Series are vacuum-style Wye fittings. Available in Natural or Black Nylon 6/6. The equal barb sizes for this wye are 3/16 inch, 1/4 inch, and 3/8 inch. The available reducing barb size is 1/4 inch by 3/16 inch. The working temperature range is from -20° F to 212° F. This wye is recommended for air, liquid, and vapor applications.

SKU	Description
VC-Y-3B-NN	3/16 inch Natural Nylon Vacuum Wye Connector
VC-Y-3B-BN	3/16 inch Black Nylon Vacuum Wye Connector
VC-Y-4B-NN	1/4 inch Natural Nylon Vacuum Wye Connector
VC-Y-4B-BN	1/4 inch Black Nylon Vacuum Wye Connector
VC-Y-6B-NN	3/8 inch Natural Nylon Vacuum Wye Connector
VC-Y-6B-BN	3/8 inch Black Nylon Vacuum Wye Connector
VC-Y-4B3B-O-NN	1/4 inch by 3/16 inch Natural Nylon Vacuum Wye Connector
VC-Y-4B3B-O-BN	1/4 inch by 3/16 inch Black Nylon Vacuum Wye Connector



## Y-R SERIES

Y-R Series are single barbed equal and enlarging Wye tube fittings. The equal Wye barb sizes are 1/8 inch, 3/16 inch, 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, and 3/4 inch. The enlarging Wye barb are oriented with 2 smaller branches to a larger inlet on the bottom. Current sizes are (2)1/8 inch by 1/4 inch; (2)3/16 inch by 5/16 inch; (2)1/4 inch by 3/8 inch; 3/8 inch by 1/2 inch; 5/8 inch by 3/4 inch, and 3/4 inch by 1 inch. Available materials are Natural and Black Nylon, Glass-Filled Black Nylon, Natural and White High-Density Polyethylene, and Natural and Gray PVDF.

**\*\*\*The flow is from the bottom of the Wye and through the two smaller barbs.\*\*\***

Various Branches Wyes are also available. [VC-Y series](#).

SKU	Description
Y-R-2B-NN	1/8 inch Natural Nylon Equal Single Barbed Wye Connector



SKU	Description
Y-R-2B-BN	1/8 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-2B-GFBN	1/8 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-2B-NPP	1/8 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-2B-WPP	1/8 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-2B-PVDF	1/8 inch PVDF Equal Single Barbed Wye Connector
Y-R-2B-GPVDF	1/8 inch Gray PVDF Equal Single Barbed Wye Connector
Y-R-2B-HDPE	1/8 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-3B-NN	3/16 inch Natural Nylon Equal Single Barbed Wye Connector
Y-R-3B-BN	3/16 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-3B-GFBN	3/16 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-3B-NPP	3/16 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-3B-WPP	3/16 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-3B-PVDF	3/16 inch PVDF Equal Single Barbed Wye Connector
Y-R-3B-GPVDF	3/16 inch Gray PVDF Equal Single Barbed Wye Connector
Y-R-3B-HDPE	3/16 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-4B-NN	1/4 inch Natural Nylon Equal Single Barbed Wye Connector
Y-R-4B-BN	1/4 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-4B-GFBN	1/4 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-4B-NPP	1/4 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-4B-WPP	1/4 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-4B-PVDF	1/4 inch PVDF Equal Single Barbed Wye Connector
Y-R-4B-GPVDF	1/4 inch Gray PVDF Equal Single Barbed Wye Connector
Y-R-4B-HDPE	1/4 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-6B-NN	3/8 inch Natural Nylon Equal Single Barbed Wye Connector
Y-R-6B-BN	3/8 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-6B-GFBN	3/8 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-6B-NPP	3/8 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-6B-WPP	3/8 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-6B-PVDF	3/8 inch PVDF Equal Single Barbed Wye Connector
Y-R-6B-GPVDF	3/8 inch Gray PVDF Equal Single Barbed Wye Connector

SKU	Description
Y-R-6B-HDPE	3/8 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-8B-NN	1/2 inch Natural Nylon Equal Single Barbed Wye Connector
Y-R-8B-BN	1/2 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-8B-GFBN	1/2 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-8B-NPP	1/2 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-8B-WPP	1/2 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-8B-PVDF	1/2 inch PVDF Equal Single Barbed Wye Connector
Y-R-8B-GPVDF	1/2 inch Gray PVDF Equal Single Barbed Wye Connector
Y-R-8B-HDPE	1/2 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-10B-NN	5/8 inch Natural Nylon Equal Single Barbed Wye Connector
Y-R-10B-BN	5/8 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-10B-GFBN	5/8 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-10B-NPP	5/8 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-10B-WPP	5/8 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-10B-PVDF	5/8 inch PVDF Equal Single Barbed Wye Connector
Y-R-10B-GPVDF	5/8 inch Gray PVDF Equal Single Barbed Wye Connector
Y-R-10B-HDPE	5/8 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-12B-NN	3/4 inch Natural Nylon Equal Single Barbed Wye Connector
Y-R-12B-BN	3/4 inch Black Nylon Equal Single Barbed Wye Connector
Y-R-12B-GFBN	3/4 inch Glass-Filled Black Nylon Equal Single Barbed Wye Connector
Y-R-12B-NPP	3/4 inch Natural Polypropylene Equal Single Barbed Wye Connector
Y-R-12B-WPP	3/4 inch White Polypropylene Equal Single Barbed Wye Connector
Y-R-12B-PVDF	3/4 inch PVDF Equal Single Barbed Wye Connector
Y-R-12B-GPVDF	3/4 inch Gray PVDF Equal Single Barbed Wye Connector
Y-R-12B-HDPE	3/4 inch High-Density Polyethylene Equal Single Barbed Wye Connector
Y-R-2B4B-NN	1/8 inch by 1/4 inch Natural Nylon Single Barbed Wye Connector
Y-R-2B4B-BN	1/8 inch by 1/4 inch Black Nylon Single Barbed Wye Connector
Y-R-2B4B-GFBN	1/8 inch by 1/4 inch Glass-Filled Black Nylon Single Barbed Wye Connector
Y-R-2B4B-NPP	1/8 inch by 1/4 inch Natural Polypropylene Single Barbed Wye Connector
Y-R-2B4B-WPP	1/8 inch by 1/4 inch White Polypropylene Single Barbed Wye Connector

SKU	Description
Y-R-2B4B-PVDF	1/8 inch by 1/4 inch PVDF Single Barbed Wye Connector
Y-R-2B4B-GPVDF	1/8 inch by 1/4 inch Gray PVDF Single Barbed Wye Connector
Y-R-2B4B-HDPE	1/8 inch by 1/4 inch High-Density Polyethylene Single Barbed Wye Connector
Y-R-3B5B-NN	3/16 inch by 5/16 inch Natural Nylon Single Barbed Wye Connector
Y-R-3B5B-BN	3/16 inch by 5/16 inch Black Nylon Single Barbed Wye Connector
Y-R-3B5B-GFBN	3/16 inch by 5/16 inch Glass-Filled Black Nylon Single Barbed Wye Connector
Y-R-3B5B-NPP	3/16 inch by 5/16 inch Natural Polypropylene Single Barbed Wye Connector
Y-R-3B5B-WPP	3/16 inch by 5/16 inch White Polypropylene Single Barbed Wye Connector
Y-R-3B5B-PVDF	3/16 inch by 5/16 inch PVDF Single Barbed Wye Connector
Y-R-3B5B-GPVDF	3/16 inch by 5/16 inch Gray PVDF Single Barbed Wye Connector
Y-R-3B5B-HDPE	3/16 inch by 5/16 inch High-Density Polyethylene Single Barbed Wye Connector
Y-R-4B6B-NN	1/4 inch by 3/8 inch Natural Nylon Single Barbed Wye Connector
Y-R-4B6B-BN	1/4 inch by 3/8 inch Black Nylon Single Barbed Wye Connector
Y-R-4B6B-GFBN	1/4 inch by 3/8 inch Glass-Filled Black Nylon Single Barbed Wye Connector
Y-R-4B6B-NPP	1/4 inch by 3/8 inch Natural Polypropylene Single Barbed Wye Connector
Y-R-4B6B-WPP	1/4 inch by 3/8 inch White Polypropylene Single Barbed Wye Connector
Y-R-4B6B-PVDF	1/4 inch by 3/8 inch PVDF Single Barbed Wye Connector
Y-R-4B6B-GPVDF	1/4 inch by 3/8 inch Gray PVDF Single Barbed Wye Connector
Y-R-4B6B-HDPE	1/4 inch by 3/8 inch High-Density Polyethylene Single Barbed Wye Connector
Y-R-6B8B-NN	3/8 inch by 1/2 inch Natural Nylon Single Barbed Wye Connector
Y-R-6B8B-BN	3/8 inch by 1/2 inch Black Nylon Single Barbed Wye Connector
Y-R-6B8B-GFBN	3/8 inch by 1/2 inch Glass-Filled Black Nylon Single Barbed Wye Connector
Y-R-6B8B-NPP	3/8 inch by 1/2 inch Natural Polypropylene Single Barbed Wye Connector
Y-R-6B8B-WPP	3/8 inch by 1/2 inch White Polypropylene Single Barbed Wye Connector
Y-R-6B8B-PVDF	3/8 inch by 1/2 inch PVDF Single Barbed Wye Connector
Y-R-6B8B-GPVDF	3/8 inch by 1/2 inch Gray PVDF Single Barbed Wye Connector
Y-R-6B8B-HDPE	3/8 inch by 1/2 inch High-Density Polyethylene Single Barbed Wye Connector
Y-R-10B12B-NN	5/8 inch by 3/4 inch Natural Nylon Single Barbed Wye Connector
Y-R-10B12B-BN	5/8 inch by 3/4 inch Black Nylon Single Barbed Wye Connector
Y-R-10B12B-GFBN	5/8 inch by 3/4 inch Glass-Filled Black Nylon Single Barbed Wye Connector

SKU	Description
Y-R-10B12B-NPP	5/8 inch by 3/4 inch Natural Polypropylene Single Barbed Wye Connector
Y-R-10B12B-WPP	5/8 inch by 3/4 inch White Polypropylene Single Barbed Wye Connector
Y-R-10B12B-PVDF	5/8 inch by 3/4 inch PVDF Single Barbed Wye Connector
Y-R-10B12B-GPVDF	5/8 inch by 3/4 inch Gray PVDF Single Barbed Wye Connector
Y-R-10B12B-HDPE	5/8 inch by 3/4 inch High-Density Polyethylene Single Barbed Wye Connector
Y-R-12B16B-NN	3/4 inch by 1 inch Natural Nylon Single Barbed Wye Connector
Y-R-12B16B-BN	3/4 inch by 1 inch Black Nylon Single Barbed Wye Connector
Y-R-12B16B-GFBN	3/4 inch by 1 inch Glass-Filled Black Nylon Single Barbed Wye Connector
Y-R-12B16B-NPP	3/4 inch by 1 inch Natural Polypropylene Single Barbed Wye Connector
Y-R-12B16B-WPP	3/4 inch by 1 inch White Polypropylene Single Barbed Wye Connector
Y-R-12B16B-PVDF	3/4 inch by 1 inch PVDF Single Barbed Wye Connector
Y-R-12B16B-GPVDF	3/4 inch by 1 inch Gray PVDF Single Barbed Wye Connector
Y-R-12B16B-HDPE	3/4 inch by 1 inch High-Density Polyethylene Single Barbed Wye Connector

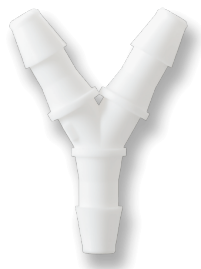


## A-R G SERIES

The A-R Series is a standard single barbed adapter. Available materials are Natural, White, and Black Nylon, Natural and White Polypropylene, Natural and Gray PVDF, Black Glass-Filled Nylon, and NSF 51/61 certified High-Density Polyethylene. Some sizes have Acetal and Black High-Density Polyethylene available as well. MNPT and barb sizes range from 1/8 inch to 1 inch. Male NPT threads are standard, but BSPT threads are available.

[table "a-r" not found /]

## Y-S SERIES



Y-S Series Wye tube fitting has equal single barbs and works well with flexible tubing. The barbs can expand tubing up to 50% above its normal size. This allows higher pressure capabilities. Available materials are White and Black Nylon, Natural Polypropylene, Polycarbonate, and PVDF. Barb sizes are 1/16 inch, 3/32 inch, 1/8 inch, 5/32 inch, 3/16 inch, and 1/4 inch. These Wyes are used primarily in laboratory and medical environments.

SKU	Description
Y-S-1B-WN	1/16 inch White Nylon Single Barbed Wye Connector
Y-S-1B-BN	1/16 inch Black Nylon Single Barbed Wye Connector
Y-S-1B-NPP	1/16 inch Natural Polypropylene Single Barbed Wye Connector
Y-S-1B-PC	1/16 inch Polycarbonate Single Barbed Wye Connector
Y-S-1B-PVDF	1/16 inch PVDF Single Barbed Wye Connector
Y-S-332B-WN	3/32 inch White Nylon Single Barbed Wye Connector
Y-S-332B-BN	3/32 inch Black Nylon Single Barbed Wye Connector
Y-S-332B-NPP	3/32 inch Natural Polypropylene Single Barbed Wye Connector
Y-S-332B-PC	3/32 inch Polycarbonate Single Barbed Wye Connector
Y-S-332B-PVDF	3/32 inch PVDF Single Barbed Wye Connector
Y-S-2B-WN	1/8 inch White Nylon Single Barbed Wye Connector
Y-S-2B-BN	1/8 inch Black Nylon Single Barbed Wye Connector
Y-S-2B-NPP	1/8 inch Natural Polypropylene Single Barbed Wye Connector
Y-S-2B-PC	1/8 inch Polycarbonate Single Barbed Wye Connector
Y-S-2B-PVDF	1/8 inch PVDF Single Barbed Wye Connector
Y-S-532-WN	5/32 inch White Nylon Single Barbed Wye Connector
Y-S-532-BN	5/32 inch Black Nylon Single Barbed Wye Connector
Y-S-532-NPP	5/32 inch Natural Polypropylene Single Barbed Wye Connector
Y-S-532-PC	5/32 inch Polycarbonate Single Barbed Wye Connector
Y-S-532-PVDF	5/32 inch PVDF Single Barbed Wye Connector
Y-S-3B-WN	3/16 inch White Nylon Single Barbed Wye Connector
Y-S-3B-BN	3/16 inch Black Nylon Single Barbed Wye Connector
Y-S-3B-NPP	3/16 inch Natural Polypropylene Single Barbed Wye Connector
Y-S-3B-PC	3/16 inch Polycarbonate Single Barbed Wye Connector
Y-S-3B-PVDF	3/16 inch PVDF Single Barbed Wye Connector
Y-S-4B-WN	1/4 inch White Nylon Single Barbed Wye Connector
Y-S-4-BN	1/4 inch Black Nylon Single Barbed Wye Connector
Y-S-4-NPP	1/4 inch Natural Polypropylene Single Barbed Wye Connector
Y-S-4B-PC	1/4 inch Polycarbonate Single Barbed Wye Connector
Y-S-4B-PVDF	1/4 inch PVDF Single Barbed Wye Connector



## AL-S SERIES

The AL-S Series is a male UNF threaded elbow adapter and is available in White and Black Nylon, Natural and Black Polypropylene, and Natural PVDF. Available in 10-32 inch UNF straight and tapered threads, and the barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

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SKU	Description
AL-S-101B	10-32 by 1/16 Barb Elbow
AL-S-102B	10-32 by 1/8 Barb Elbow
AL-S-10332B	10-32 by 3/32 Barb Elbow
AL-S-10T1B	10-32 Taper by 1/16 Barb Elbow
AL-S-10T2B	10-32 Taper by 1/8 Barb Elbow
AL-S-10T332B	10-32 Taper by 3/32 Barb Elbow



## CRX-I SERIES

The CRX-I Series is a standard single barbed commercial grade Cross fitting with no parting line on the barb. It is available in Natural Nylon and Polypropylene. The equal barb size available is 1/4 inch.

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SKU	Description
CRX-I-4B	1/4 Barb Commercial Grade Cross



## A-S & A-S-M SERIES

The A-S Series is a series of single barbed adapters with 10-32 inch and 1/4-28 inch male UNF threads, available either tapered or straight. Combined with this series is the A-S-M Series, which are available in Metric thread sizes of 5m and 6m. Both adapters are available in Black and White Nylon, Natural Polypropylene, and PVDF.

SKU	Description
A-S-10332B-BN	10-32 inch Male UNF by 3/32 inch Black Nylon Single Barbed Adapter
A-S-10332B-WN	10-32 inch Male UNF by 3/32 inch White Nylon Single Barbed Adapter
A-S-10332B-NPP	10-32 inch Male UNF by 3/32 inch Natural Polypropylene Single Barbed Adapter
A-S-10332B-PVDF	10-32 inch Male UNF by 3/32 inch PVDF Single Barbed Adapter
A-S-101B-BN	10-32 inch Male UNF by 1/16 inch Black Nylon Single Barbed Adapter
A-S-101B-WN	10-32 inch Male UNF by 1/16 inch White Nylon Single Barbed Adapter
A-S-101B-NPP	10-32 inch Male UNF by 1/16 inch Natural Polypropylene Single Barbed Adapter
A-S-101B-PVDF	10-32 inch Male UNF by 1/16 inch PVDF Single Barbed Adapter
A-S-10532B-WN	10-32 inch Male UNF by 5/32 inch White Nylon Single Barbed Adapter
A-S-10532B-PP	10-32 inch Male UNF by 5/32 inch Natural Polypropylene Single Barbed Adapter
A-S-10532B-PVDF	10-32 inch Male UNF by 5/32 inch PVDF Single Barbed Adapter
A-S102B-BN	10-32 inch Male UNF by 1/8 inch Black Nylon Single Barbed Adapter
A-S-102B-WN	10-32 inch Male UNF by 1/8 inch White Nylon Single Barbed Adapter
A-S-102B-PP	10-32 inch Male UNF by 1/8 inch Polypropylene Single Barbed Adapter
A-S-102B-PVDF	10-32 inch Male UNF by 1/8 inch PVDF Single Barbed Adapter
A-S-14332B-WN	1/4-28 inch Male UNF by 3/32 inch White Nylon Single Barbed Adapter
A-S-14332B-NPP	1/4-28 inch Male UNF by 3/32 inch Natural Polypropylene Single Barbed Adapter
A-S-14332B-PVDF	1/4-28 inch Male UNF by 3/32 inch PVDF Single Barbed Adapter
A-S-141B-NPP	1/4-28 inch Male UNF by 1/16 inch Natural Polypropylene Single Barbed Adapter
A-S-141B-WN	1/4-28 inch Male UNF by 1/16 inch White Nylon Single Barbed Adapter

SKU	Description
A-S-14532B-WN	1/4-28 inch Male UNF by 5/32 inch White Nylon Single Barbed Adapter
A-S-14532B-BK	1/4-28 inch Male UNF by 5/32 inch Black Nylon Single Barbed Adapter
A-S-14532B-NPP	1/4-28 inch Male UNF by 5/32 inch Natural Polypropylene Single Barbed Adapter
A-S-14532B-PVDF	1/4-28 inch Male UNF by 5/32 inch PVDF Single Barbed Adapter
A-S-142B-WN	1/4-28 inch Male UNF by 1/8 inch White Nylon Single Barbed Adapter
A-S-142B-BN	1/4-28 inch Male UNF by 1/8 inch Black Nylon Single Barbed Adapter
A-S-142B-NPP	1/4-28 inch Male UNF by 1/8 inch Natural Polypropylene Single Barbed Adapter
A-S-142B-PVDF	1/4-28 inch Male UNF by 1/8 inch PVDF Single Barbed Adapter
A-S-143B-WN	1/4-28 inch Male UNF by 3/16 inch White Nylon Single Barbed Adapter
A-S-143B-BN	1/4-28 inch Male UNF by 3/16 inch Black Nylon Single Barbed Adapter
A-S-143B-NPP	1/4-28 inch Male UNF by 3/16 inch Natural Polypropylene Single Barbed Adapter
A-S-143B-PVDF	1/4-28 inch Male UNF by 3/16 inch PVDF Single Barbed Adapter
A-S-M5-1B-WN	5M Metric Thread by 1/16 inch White Nylon Single Barbed Adapter
A-S-M5-1B-BN	5M Metric Thread by 1/16 inch Black Nylon Single Barbed Adapter
A-S-M5-1B-NPP	5M Metric Thread by 1/16 inch Natural Polypropylene Single Barbed Adapter
A-S-M5-332B-WN	5M Metric Thread by 3/32 inch White Nylon Single Barbed Adapter
A-S-M5-332B-BN	5M Metric Thread by 3/32 inch Black Nylon Single Barbed Adapter
A-S-M5-332B-NPP	5M Metric Thread by 3/32 inch Natural Polypropylene Single Barbed Adapter
A-S-M5-532B-WN	5M Metric Thread by 5/32 inch White Nylon Single Barbed Adapter
A-S-M5-532B-NPP	5M Metric Thread by 5/32 inch Natural Polypropylene Single Barbed Adapter
A-S-M6-2B-WN	6M Metric Thread by 1/8 inch White Nylon Single Barbed Adapter
A-S-M6-2B-BN	6M Metric Thread by 1/8 inch Black Nylon Single Barbed Adapter
A-S-M6-2B-NPP	6M Metric Thread by 1/8 inch Natural Polypropylene Single Barbed Adapter
A-S-M6-3B-NPP	6M Metric Thread by 3/16 inch Natural Polypropylene Single Barbed Adapter
A-S-M6-3B-BN	6M Metric Thread by 3/16 inch Black Nylon Single Barbed Adapter
A-S-M6-3B-PVDF	6M Metric Thread by 3/16 inch PVDF Single Barbed Adapter



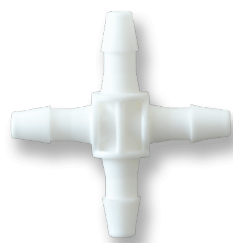
## CNRX SERIES



The CNRX Series is an equal single barbed Cross fitting. These crosses are available in Natural Nylon, Natural Polypropylene, and White Polypropylene. Available barb sizes are 1/8 inch and 1/4 inch.

SKU	Description
CNRX-2B-NN	1/8 inch Natural Nylon Single Barbed Cross Connector
CNRX-2B-NPP	1/8 inch Natural Polypropylene Single Barbed Cross Connector
CNRX-2B-WPP	1/8 inch White Polypropylene Single Barbed Cross Connector
CNRX-4B-NN	1/4 inch Natural Nylon Single Barbed Cross Connector
CNRX-4B-NPP	1/4 inch Natural Polypropylene Single Barbed Cross Connector
CNRX-4B-WPP	1/4 inch White Polypropylene Single Barbed Cross Connector

## CX SERIES



The CX Series is a standard single barbed Cross fitting with no molded parting line on the barb. The barb will expand the tubing to 50% above its normal size. It is available in White Nylon and Natural Polypropylene. The available equal barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch. This cross-fitting is recommended for medical and laboratory environments.

SKU	Description
CX-1B-NPP	1/16 inch Natural Polypropylene Standard Single Barbed Cross Connector
CX-1B-WN	1/16 inch White Nylon Standard Single Barbed Cross Connector
CX-332B-NPP	3/32 inch Natural Polypropylene Standard Single Barbed Cross Connector
CX-332B-WN	3/32 inch White Nylon Standard Single Barbed Cross Connector
CX-2B-NPP	1/8 inch Natural Polypropylene Standard Single Barbed Cross Connector
CX-2B-WN	1/8 inch White Nylon Standard Single Barbed Cross Connector



## TR-R SERIES

TR-R Series are standard single barbed reducing and enlarging tee connectors. Materials available are Natural and Black Nylon, Natural and Gray PVDF, Natural and White Polypropylene, Glass-Filled Black Nylon, and Polyethylene that is NSF 51/61 certified.

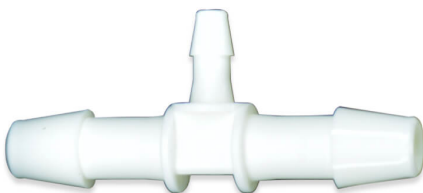
SKU	Description
TR-R-532B6B-NN	5/32 inch by 3/8 inch Natural Nylon Single Barbed Tee Connector
TR-R-532B6B-BN	5/32 inch by 3/8 inch Black Nylon Single Barbed Tee Connector
TR-R-532B6B-PVDF	5/32 inch by 3/8 inch PVDF Single Barbed Tee Connector
TR-R-532B6B-GPVDF	5/32 inch by 3/8 inch Gray PVDF Single Barbed Tee Connector
TR-R-532B6B-NPP	5/32 inch by 3/8 inch Natural Polypropylene Single Barbed Tee Connector
TR-R-532B6B-WPP	5/32 inch by 3/8 inch White Polypropylene Single Barbed Tee Connector
TR-R-532B6B-GFBN	5/32 inch by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Connector
TR-R-532B6B-PE-NSF	5/32 inch by 3/8 inch NSF Polyethylene Single Barbed Tee Connector
TR-R-4B10B-NN	1/4 inch by 5/8 inch Natural Nylon Single Barbed Tee Connector
TR-R-4B10B-BN	1/4 inch by 5/8 inch Black Nylon Single Barbed Tee Connector
TR-R-4B10B-PVDF	1/4 inch by 5/8 inch PVDF Single Barbed Tee Connector
TR-R-4B10B-GPVDF	1/4 inch by 5/8 inch Gray PVDF Single Barbed Tee Connector
TR-R-4B10B-NPP	1/4 inch by 5/8 inch Natural Polypropylene Single Barbed Tee Connector
TR-R-4B10B-WPP	1/4 inch by 5/8 inch White Polypropylene Single Barbed Tee Connector
TR-R-4B10B-GFBN	1/4 inch by 5/8 inch Glass-Filled Black Nylon Single Barbed Tee Connector
TR-R-4B10B-PE-NSF	1/4 inch by 5/8 inch NSF Polyethylene Single Barbed Tee Connector
TR-R-4B6B-NN	1/4 inch by 3/8 inch Natural Nylon Single Barbed Tee Connector
TR-R-4B6B-BN	1/4 inch by 3/8 inch Black Nylon Single Barbed Tee Connector
TR-R-4B6B-PVDF	1/4 inch by 3/8 inch PVDF Single Barbed Tee Connector
TR-R-4B6B-GPVDF	1/4 inch by 3/8 inch Gray PVDF Single Barbed Tee Connector

SKU	Description
TR-R-4B6B-NPP	1/4 inch by 3/8 inch Natural Polypropylene Single Barbed Tee Connector
TR-R-4B6B-WPP	1/4 inch by 3/8 inch White Polypropylene Single Barbed Tee Connector
TR-R-4B6B-GFBN	1/4 inch by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Connector
TR-R-4B6B-PE-NSF	1/4 inch by 3/8 inch NSF Polyethylene Single Barbed Tee Connector
TR-R-4B3B-NN	1/4 inch by 3/16 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-4B3B-BN	1/4 inch by 3/16 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-4B3B-PVDF	1/4 inch by 3/16 inch PVDF Single Barbed Reducing Tee Connector
TR-R-4B3B-GPVDF	1/4 inch by 3/16 inch Gray PVDF Single Barbed Reducing Tee Connector
TR-R-4B3B-NPP	1/4 inch by 3/16 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-4B3B-WPP	1/4 inch by 3/16 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-4B3B-GFBN	1/4 inch by 3/16 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-4B3B-PE-NSF	1/4 inch by 3/16 inch NSF Polyethylene Single Barbed Reducing Tee Connector
TR-R-8B4B-NN	1/2 inch by 1/4 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-8B4B-BN	1/2 inch by 1/4 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-8B4B-PVDF	1/2 inch by 1/4 inch PVDF Single Barbed Reducing Tee Connector
TR-R-8B4B-GPVDF	1/2 inch by 1/4 inch Gray PVDF Single Barbed Reducing Tee Connector
TR-R-8B4B-NPP	1/2 inch by 1/4 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-8B4B-WPP	1/2 inch by 1/4 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-8B4B-GFBN	1/2 inch by 1/4 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-8B4B-PE-NSF	1/2 inch by 1/4 inch NSF Polyethylene Single Barbed Reducing Tee Connector
TR-R-8B6B-NN	1/2 inch by 3/8 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-8B6B-BN	1/2 inch by 3/8 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-8B6B-PVDF	1/2 inch by 3/8 inch PVDF Single Barbed Reducing Tee Connector
TR-R-8B6B-GPVDF	1/2 inch by 3/8 inch Gray PVDF Single Barbed Reducing Tee Connector

SKU	Description
TR-R-8B6B-NPP	1/2 inch by 3/8 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-8B6B-WPP	1/2 inch by 3/8 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-8B6B-GFBN	1/2 inch by 3/8 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-8B6B-PE-NSF	1/2 inch by 3/8 inch NSF Polyethylene Single Barbed Reducing Tee Connector
TR-R-10B6B-NN	5/8 inch by 3/8 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-10B6B-BN	5/8 inch by 3/8 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-10B6B-PVDF	5/8 inch by 3/8 inch PVDF Single Barbed Reducing Tee Connector
TR-R-10B6B-GPVDF	5/8 inch by 3/8 inch Gray PVDF Single Barbed Reducing Tee Connector
TR-R-10B6B-NPP	5/8 inch by 3/8 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-10B6B-WPP	5/8 inch by 3/8 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-10B6B-GFBN	5/8 inch by 3/8 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-10B6B-PE-NSF	5/8 inch by 3/8 inch NSF Polyethylene Single Barbed Reducing Tee Connector
TR-R-12B6B-NN	3/4 inch by 3/8 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-12B6B-BN	3/4 inch by 3/8 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-12B6B-PVDF	3/4 inch by 3/8 inch PVDF Single Barbed Reducing Tee Connector
TR-R-12B6B-GPVDF	3/4 inch by 3/8 inch Gray PVDF Single Barbed Reducing Tee Connector
TR-R-12B6B-NPP	3/4 inch by 3/8 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-12B6B-WPP	3/4 inch by 3/8 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-12B6B-GFBN	3/4 inch by 3/8 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-12B6B-PE-NSF	3/4 inch by 3/8 inch NSF Polyethylene Single Barbed Reducing Tee Connector
TR-R-12B8B-NN	3/4 inch by 1/2 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-12B8B-BN	3/4 inch by 1/2 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-12B8B-PVDF	3/4 inch by 1/2 inch PVDF Single Barbed Reducing Tee Connector
TR-R-12B8B-GPVDF	3/4 inch by 1/2 inch Gray PVDF Single Barbed Reducing Tee Connector

SKU	Description
TR-R-12B8B-NPP	3/4 inch by 1/2 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-12B8B-WPP	3/4 inch by 1/2 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-12B8B-GFBN	3/4 inch by 1/2 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-12B8B-PE-NSF	3/4 inch by 1/2 inch NSF Polyethylene Single Barbed Reducing Tee Connector
TR-R-16B10B-NN	1 inch by 5/8 inch Natural Nylon Single Barbed Reducing Tee Connector
TR-R-16B10B-BN	1 inch by 5/8 inch Black Nylon Single Barbed Reducing Tee Connector
TR-R-16B10B-PVDF	1 inch by 5/8 inch PVDF Single Barbed Reducing Tee Connector
TR-R-16B10B-GPVDF	1 inch by 5/8 inch Gray PVDF Single Barbed Reducing Tee Connector
TR-R-16B10B-NPP	1 inch by 5/8 inch Natural Polypropylene Single Barbed Reducing Tee Connector
TR-R-16B10B-WPP	1 inch by 5/8 inch White Polypropylene Single Barbed Reducing Tee Connector
TR-R-16B10B-GFBN	1 inch by 5/8 inch Glass-Filled Black Nylon Single Barbed Reducing Tee Connector
TR-R-16B10B-PE-NSF	1 inch by 5/8 inch NSF Polyethylene Single Barbed Reducing Tee Connector

## RT-S SERIES



The RT-S Series are standard single barbed reducing and enlarging tees. Available in White Nylon and Natural Polypropylene. Barb sizes are 1/16 inch, 3/32 inch, 1/8 inch, 3/16 inch, and 1/4 inch.

SKU	Description
RT-S-1B-2B-NPP	1/16 inch by 1/8 inch Natural Polypropylene Single Barbed Tee Connector
RT-S-1B-2B-WN	1/16 inch by 1/8 inch White Nylon Single Barbed Tee Connector
RT-S-2B-1B-NPP	1/8 inch by 1/16 inch Natural Polypropylene Single Barbed Reducing Tee Connector
RT-S-2B-1B-WN	1/8 inch by 1/16 inch White Nylon Single Barbed Reducing Tee Connector

SKU	Description
RT-S-2B-332-NPP	1/8 inch by 3/32 inch Natural Polypropylene Single Barbed Reducing Tee Connector
RT-S-2B-332-WN	1/8 inch by 3/32 inch White Nylon Single Barbed Reducing Tee Connector
RT-S-332B-1B-NPP	3/32 inch by 1/16 inch Natural Polypropylene Single Barbed Reducing Tee Connector
RT-S-332B-1B-WN	3/32 inch by 1/16 inch White Nylon Single Barbed Reducing Tee Connector
RT-S-332B-2B-NPP	3/32 inch by 1/8 inch Natural Polypropylene Single Barbed Tee Connector
RT-S-332B-2B-WN	3/32 inch by 1/8 inch White Nylon Single Barbed Tee Connector
RT-S-4B-2B-NPP	1/4 inch by 1/8 inch Natural Polypropylene Single Barbed Reducing Tee Connector
RT-S-4B-2B-WN	1/4 inch by 1/8 inch White Nylon Single Barbed Reducing Tee Connector
RT-S-4B-332B-NPP	1/4 inch by 3/32 inch Natural Polypropylene Single Barbed Reducing Tee Connector
RT-S-4B-332B-WN	1/4 inch by 3/32 inch White Nylon Single Barbed Reducing Tee Connector
RT-S-4B-3B-NPP	1/4 inch by 3/16 inch Natural Polypropylene Single Barbed Reducing Tee Connector
RT-S-4B-3B-WN	1/4 inch by 3/16 inch White Nylon Single Barbed Reducing Tee Connector

## A-R SERIES



The A-R Series are standard single-barbed adapters. These adapters have 10-32 inch and 1/4-28 inch male UNF threads, and 1/16 inch NPT male threads. In addition, the materials available are: Natural and Black Nylon, Polypropylene, PVDF, and High-Density Polyethylene.

SKU	Description
A-R-10332B-NN	10-32 inch Male UNF by 3/32 inch Natural Nylon Single Barbed Adapter
A-R-10332B-BN	10-32 inch Male UNF by 3/32 inch Black Nylon Single Barbed Adapter
A-R-10332B-NPP	10-32 inch Male UNF by 3/32 inch Polypropylene Single Barbed Adapter
A-R-10332B-HDPE	10-32 inch Male UNF by 3/32 inch High-Density Polyethylene Single Barbed Adapter

SKU	Description
A-R-10332B-PVDF	10-32 inch Male UNF by 3/32 inch PVDF Single Barbed Adapter
A-R-101B-NN	10-32 inch Male UNF by 1/16 inch Natural Nylon Single Barbed Adapter
A-R-101B-BN	10-32 inch Male UNF by 1/16 inch Black Nylon Single Barbed Adapter
A-R-101B-NPP	10-32 inch Male UNF by 1/16 inch Polypropylene Single Barbed Adapter
A-R-101B- HDPE	10-32 inch Male UNF by 1/16 inch High-Density Polyethylene Single Barbed Adapter
A-R-101B-PVDF	10-32 inch Male UNF by 1/16 inch PVDF Single Barbed Adapter
A-R-102B-NN	10-32 inch Male UNF by 1/8 inch Natural Nylon Single Barbed Adapter
A-R-102B-BN	10-32 inch Male UNF by 1/8 inch Black Nylon Single Barbed Adapter
A-R-102B-NPP	10-32 inch Male UNF by 1/8 inch Polypropylene Single Barbed Adapter
A-R-102B- HDPE	10-32 inch Male UNF by 1/8 inch High-Density Polyethylene Single Barbed Adapter
A-R-102B-PVDF	10-32 inch Male UNF by 1/8 inch PVDF Single Barbed Adapter
A-R-10532B-NN	10-32 inch Male UNF by 5/32 inch Natural Nylon Single Barbed Adapter
A-R-10532B-BN	10-32 inch Male UNF by 5/32 inch Black Nylon Single Barbed Adapter
A-R-10532B-NPP	10-32 inch Male UNF by 5/32 inch Polypropylene Single Barbed Adapter
A-R-10532B-HDPE	10-32 inch Male UNF by 5/32 inch High-Density Polyethylene Single Barbed Adapter
A-R-10532B-PVDF	10-32 inch Male UNF by 5/32 inch PVDF Single Barbed Adapter
A-R-10T332B-NN	10-32 inch Male UNF by 3/32 inch Natural Nylon Single Barbed Adapter
A-R-10T332B-BN	10-32 inch Male UNF by 3/32 inch Black Nylon Single Barbed Adapter
A-R-10T332B-NPP	10-32 inch Male UNF by 3/32 inch Polypropylene Single Barbed Adapter
A-R-10T332B-HDPE	10-32 inch Male UNF by 3/32 inch High-Density Polyethylene Single Barbed Adapter
A-R-10T332B-PVDF	10-32 inch Male UNF by 3/32 inch PVDF Single Barbed Adapter
A-R-10T1B-NN	10-32 inch Male UNF by 1/16 inch Natural Nylon Single Barbed Adapter
A-R-10T1B-BN	10-32 inch Male UNF by 1/16 inch Black Nylon Single Barbed Adapter
A-R-10T1B-NPP	10-32 inch Male UNF by 1/16 inch Polypropylene Single Barbed Adapter
A-R-10T1B-HDPE	10-32 inch Male UNF by 1/16 inch High-Density Polyethylene Single Barbed Adapter
A-R-10T1B-PVDF	10-32 inch Male UNF by 1/16 inch PVDF Single Barbed Adapter

SKU	Description
A-R-10T2B-NN	10-32 inch Male UNF by 1/8 inch Natural Nylon Single Barbed Adapter
A-R-10T2B-BN	10-32 inch Male UNF by 1/8 inch Black Nylon Single Barbed Adapter
A-R-10T2B-NPP	10-32 inch Male UNF by 1/8 inch Polypropylene Single Barbed Adapter
A-R-10T2B-HDPE	10-32 inch Male UNF by 1/8 inch High-Density Polyethylene Single Barbed Adapter
A-R-10T2B-PVDF	10-32 inch Male UNF by 1/8 inch PVDF Single Barbed Adapter
A-R-10X2B-NN	10-32 inch Male UNF by 1/8 inch Natural Nylon Single Barbed Adapter
A-R-10X2B-BN	10-32 inch Male UNF by 1/8 inch Black Nylon Single Barbed Adapter
A-R-10X2B-NPP	10-32 inch Male UNF by 1/8 inch Polypropylene Single Barbed Adapter
A-R-10X2B-HDPE	10-32 inch Male UNF by 1/8 inch High-Density Polyethylene Single Barbed Adapter
A-R-10X2B-PVDF	10-32 inch Male UNF by 1/8 inch PVDF Single Barbed Adapter
A-R-141B-NN	1/4-28 inch Male UNF by 1/16 inch Natural Nylon Single Barbed Adapter
A-R-141B-BN	1/4-28 inch Male UNF by 1/16 inch Black Nylon Single Barbed Adapter
A-R-141B-NPP	1/4-28 inch Male UNF by 1/16 inch Polypropylene Single Barbed Adapter
A-R-141B-HDPE	1/4-28 inch Male UNF by 1/16 inch High-Density Polyethylene Single Barbed Adapter
A-R-141B-PVDF	1/4-28 inch Male UNF by 1/16 inch PVDF Single Barbed Adapter
A-R-1M1B-NN	1/16 inch MNPT by 1/16 inch Natural Nylon Single Barbed Adapter
A-R-1M1B-BN	1/16 inch MNPT by 1/16 inch Black Nylon Single Barbed Adapter
A-R-1M1B-NPP	1/16 inch MNPT by 1/16 inch Polypropylene Single Barbed Adapter
A-R-1M1B-HDPE	1/16 inch MNPT by 1/16 inch High-Density Polyethylene Single Barbed Adapter
A-R-1M1B-PVDF	1/16 inch MNPT by 1/16 inch PVDF Single Barbed Adapter
A-R-1M2B-NN	1/16 inch MNPT by 1/8 inch Natural Nylon Single Barbed Adapter
A-R-1M2B-BN	1/16 inch MNPT by 1/8 inch Black Nylon Single Barbed Adapter
A-R-1M2B-NPP	1/16 inch MNPT by 1/8 inch Polypropylene Single Barbed Adapter
A-R-1M2B-HDPE	1/16 inch MNPT by 1/8 inch High-Density Polyethylene Single Barbed Adapter
A-R-1M2B-PVDF	1/16 inch MNPT by 1/8 inch PVDF Single Barbed Adapter
A-R-1M332B-NN	1/16 inch MNPT by 3/32 inch Natural Nylon Single Barbed Adapter
A-R-1M332B-BN	1/16 inch MNPT by 3/32 inch Black Nylon Single Barbed Adapter



SKU	Description
A-R-1M332B-NPP	1/16 inch MNPT by 3/32 inch Polypropylene Single Barbed Adapter
A-R-1M332B-HDPE	1/16 inch MNPT by 3/32 inch High-Density Polyethylene Single Barbed Adapter
A-R-1M332B-PVDF	1/16 inch MNPT by 3/32 inch PVDF Single Barbed Adapter
A-R-1M3B-NN	1/16 inch MNPT by 3/16 inch Natural Nylon Single Barbed Adapter
A-R-1M3B-BN	1/16 inch MNPT by 3/16 inch Black Nylon Single Barbed Adapter
A-R-1M3B-NPP	1/16 inch MNPT by 3/16 inch Polypropylene Single Barbed Adapter
A-R-1M3B-HDPE	1/16 inch MNPT by 3/16 inch High-Density Polyethylene Single Barbed Adapter
A-R-1M3B-PVDF	1/16 inch MNPT by 3/16 inch PVDF Single Barbed Adapter
A-R-1M532B-NN	1/16 inch MNPT by 5/32 inch Natural Nylon Single Barbed Adapter
A-R-1M532B-BN	1/16 inch MNPT by 5/32 inch Black Nylon Single Barbed Adapter
A-R-1M532B-NPP	1/16 inch MNPT by 5/32 inch Polypropylene Single Barbed Adapter
A-R-1M532B-HDPE	1/16 inch MNPT by 5/32 inch High-Density Polyethylene Single Barbed Adapter
A-R-1M532B-PVDF	1/16 inch MNPT by 5/32 inch PVDF Single Barbed Adapter



## YA SERIES

The YA Series are multi-barbed wye connectors and are made of Acetal. There is a 90° span between the top two legs of this wye connector. Available barb sizes are 1/8 inch, 5/32 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, 7/16 inch, 1/2 inch, 9/16 inch, 3/4 inch, 5/32 inch by 1/4 inch, and 1/4 inch by 5/6 inch. Barb sizes can also be used for metric tubing.

SKU	Description
YA-2	1/8 inch (3 mm) Acetal Multi-Barbed Wye Connector
YA-3	3/16 inch (5 mm) Acetal Multi-Barbed Wye Connector
YA-4	1/4 inch (6 mm) Acetal Multi-Barbed Wye Connector
YA-5	5/16 inch (8 mm) Acetal Multi-Barbed Wye Connector
YA-532	5/32 inch (4 mm) Acetal Multi-Barbed Wye Connector
YA-6	3/8 inch (10 mm) Acetal Multi-Barbed Wye Connector
YA-7	7/16 inch (11 mm) Acetal Multi-Barbed Wye Connector

SKU	Description
YA-8	1/2 inch (13 mm) Acetal Multi-Barbed Wye Connector
YA-9	9/16 inch (14 mm) Acetal Multi-Barbed Wye Connector
YA-10	5/8 inch (16 mm) Acetal Multi-Barbed Wye Connector
YA-12	3/4 inch (19 mm) Acetal Multi-Barbed Wye Connector
YA-532-4	5/32 inch by 1/4 inch Acetal Multi-Barbed Wye Connector
YA-4-5	1/4 inch by 5/16 inch Acetal Multi-Barbed Wye Connector



## T SERIES

The T Series is a series of plastic single and multi-barbed tee connectors. This series is available in NSF-listed Natural Nylon, Black Polyethylene, and FDA-listed Natural Black Polypropylene. Equal and reducing barb sizes ranging from .170 inches to 1-1/2 inches are available (see list below). Barb sizes over 1 inch are not available in Polyethylene.

SKU	Description
T-.170B-NN-NSF	.170 inch NSF Natural Nylon Single Barbed Tee - use only with poly tube
T-.170B-BPE-NSF	.170 inch NSF Black Polyethylene Single Barbed Tee - use only with poly tube
T-.170B-NPP-FDA	.170 inch FDA Natural Polypropylene Single Barbed Tee - use only with poly tube
T-.170B-BPP-FDA	.170 inch FDA Black Polypropylene Single Barbed Tee - use only with poly tube
T-3B-NN-NSF	3/16 inch NSF Natural Nylon Single Barbed Tee Connector
T-3B-BPE-NSF	3/16 inch NSF Black Polyethylene Single Barbed Tee Connector
T-3B-NPP-FDA	3/16 inch FDA Natural Polypropylene Single Barbed Tee Connector
T-3B-BPP-FDA	3/16 inch FDA Black Polypropylene Single Barbed Tee Connector
T-2B-NN-NSF	1/8 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-2B-BPE-NSF	1/8 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-2B-NPP-FDA	1/8 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-2B-BPP-FDA	1/8 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-532B-NN-NSF	5/32 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-532B-BPE-NSF	5/32 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-532B-NPP-FDA	5/32 inch FDA Natural Polypropylene Multi-Barbed Tee Connector

SKU	Description
T-532B-BPP-FDA	5/32 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-4B-NN-NSF	1/4 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-4B-BPE-NSF	1/4 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-4B-NPP-FDA	1/4 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-4B-BPP-FDA	1/4 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-5B-NN-NSF	5/16 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-5B-BPE-NSF	5/16 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-5B-NPP-FDA	5/16 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-5B-BPP-FDA	5/16 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-6B-NN-NSF	3/8 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-6B-BPE-NSF	3/8 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-6B-NPP-FDA	3/8 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-6B-BPP-FDA	3/8 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-8B-NN-NSF	1/2 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-8B-BPE-NSF	1/2 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-8B-NPP-FDA	1/2 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-8B-BPP-FDA	1/2 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-10B-NN-NSF	5/8 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-10B-BPE-NSF	5/8 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-10B-NPP-FDA	5/8 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-10B-BPP-FDA	5/8 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-12B-NN-NSF	3/4 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-12B-BPE-NSF	3/4 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-12B-NPP-FDA	3/4 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-12B-BPP-FDA	3/4 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-16B-NN-NSF	1 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-16B-BPE-NSF	1 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-16B-NPP-FDA	1 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-16B-BPP-FDA	1 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-20B-NN-NSF	1-1/4 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-20B-BPE-NSF	1-1/4 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-20B-NPP-FDA	1-1/4 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-20B-BPP-FDA	1-1/4 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-24B-NN-NSF	1-1/2 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-24B-BPE-NSF	1-1/2 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-24B-NPP-FDA	1-1/2 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-24B-BPP-FDA	1-1/2 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-4B5B-NN-NSF	1/4 inch by 5/16 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-4B5B-BPE-NSF	1/4 inch by 5/16 inch NSF Black Polyethylene Multi-Barbed Tee Connector

SKU	Description
T-4B5B-NPP-FDA	1/4 inch by 5/16 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-4B5B-BPP-FDA	1/4 inch by 5/16 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-4B6B-BPE-NSF	1/4 inch by 3/8 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-4B6B-BPP-FDA	1/4 inch by 3/8 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-4B6B-NN-NSF	1/4 inch by 3/8 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-4B6B-NPP-FDA	1/4 inch by 3/8 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-6B8B-BPE-NSF	3/8 inch by 1/2 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-6B8B-BPP-FDA	3/8 inch by 1/2 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-6B8B-NN-NSF	3/8 inch by 1/2 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-6B8B-NPP-FDA	3/8 inch by 1/2 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-8B12B-BPE-NSF	1/2 inch by 3/4 inch NSF Black Polyethylene Multi-Barbed Tee Connector
T-8B12B-BPP-FDA	1/2 inch by 3/4 inch FDA Black Polypropylene Multi-Barbed Tee Connector
T-8B12B-NN-NSF	1/2 inch by 3/4 inch NSF Natural Nylon Multi-Barbed Tee Connector
T-8B12B-NPP-FDA	1/2 inch by 3/4 inch FDA Natural Polypropylene Multi-Barbed Tee Connector
T-532B2B-NN-NSF	5/32 inch by 1/8 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-532B2B-BPE-NSF	5/32 inch by 1/8 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-532B2B-NPP-FDA	5/32 inch by 1/8 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-532B2B-BPP-FDA	5/32 inch by 1/8 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-5B4B-BPE-NSF	5/16 inch by 1/4 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-5B4B-BPP-FDA	5/16 inch by 1/4 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-5B4B-NN-NSF	5/16 inch by 1/4 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-5B4B-NPP-FDA	5/16 inch by 1/4 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-6B3B-BPE-NSF	3/8 inch by 3/16 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-6B3B-BPP-FDA	3/8 inch by 3/16 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector

SKU	Description
T-6B3B-NN-NSF	3/8 inch by 3/16 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-6B3B-NPP-FDA	3/8 inch by 3/16 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-6B4B-BPE-NSF	3/8 inch by 1/4 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-6B4B-BPP-FDA	3/8 inch by 1/4 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-6B4B-NN-NSF	3/8 inch by 1/4 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-6B4B-NPP-FDA	3/8 inch by 1/4 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-8B4B-BPE-NSF	1/2 inch by 1/4 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-8B4B-BPP-FDA	1/2 inch by 1/4 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-8B4B-NN-NSF	1/2 inch by 1/4 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-8B4B-NPP-FDA	1/2 inch by 1/4 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-8B5B-BPE-NSF	1/2 inch by 5/16 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-8B5B-BPP-FDA	1/2 inch by 5/16 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-8B5B-NN-NSF	1/2 inch by 5/16 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-8B5B-NPP-FDA	1/2 inch by 5/16 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-8B6B-BPE-NSF	1/2 inch by 3/8 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-8B6B-BPP-FDA	1/2 inch by 3/8 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-8B6B-NN-NSF	1/2 inch by 3/8 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-8B6B-NPP-FDA	1/2 inch by 3/8 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-10B4B-BPE-NSF	5/8 inch by 1/4 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-10B4B-BPP-FDA	5/8 inch by 1/4 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-10B4B-NN-NSF	5/8 inch by 1/4 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-10B4B-NPP-FDA	5/8 inch by 1/4 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-10B5B-BPE-NSF	5/8 inch by 5/16 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-10B5B-BPP-FDA	5/8 inch by 5/16 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector

SKU	Description
T-10B5B-NN-NSF	5/8 inch by 5/16 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-10B5B-NPP-FDA	5/8 inch by 5/16 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-10B6B-BPE-NSF	5/8 inch by 3/8 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-10B6B-BPP-FDA	5/8 inch by 3/8 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-10B6B-NN-NSF	5/8 inch by 3/8 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-10B6B-NPP-FDA	5/8 inch by 3/8 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-10B8B-BPE-NSF	5/8 inch by 1/2 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-10B8B-BPP-FDA	5/8 inch by 1/2 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-10B8B-NN-NSF	5/8 inch by 1/2 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-10B8B-NPP-FDA	5/8 inch by 1/2 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector
T-12B8B-BPE-NSF	3/4 inch by 1/2 inch NSF Black Polyethylene Multi-Barbed Reducing Tee Connector
T-12B8B-BPP-FDA	3/4 inch by 1/2 inch FDA Black Polypropylene Multi-Barbed Reducing Tee Connector
T-12B8B-NN-NSF	3/4 inch by 1/2 inch NSF Natural Nylon Multi-Barbed Reducing Tee Connector
T-12B8B-NPP-FDA	3/4 inch by 1/2 inch FDA Natural Polypropylene Multi-Barbed Reducing Tee Connector



## C SERIES

The C Series are standard multi-barbed straight and reducing connectors. They are available in Black Nylon, NSF listed Natural Nylon and Black Polyethylene, and FDA listed Natural and Black Polypropylene. Also, A range of barb sizes from 1/8 inch to 1 1/2 inch are available.

SKU	Description
C-2B2B-NN-NSF	1/8 inch NSF Natural Nylon Multi-Barbed Connector
C-2B2B-BPE-NSF	1/8 inch NSF Black Polyethylene Multi-Barbed Connector
C-2B2B-BPP-FDA	1/8 inch FDA Black Polypropylene Multi-Barbed Connector
C-3B3B-NN-NSF	3/16 inch NSF Natural Nylon Multi-Barbed Connector
C-3B3B-BPE-NSF	3/16 inch NSF Black Polyethylene Multi-Barbed Connector
C-3B3B-BPP-FDA	3/16 inch FDA Black Polypropylene Multi-Barbed Connector
C-4B4B-NN-NSF	1/4 inch NSF Natural Nylon Multi-Barbed Connector
C-4B4B-BPE-NSF	1/4 inch NSF Black Polyethylene Multi-Barbed Connector
C-4B4B-BPP-FDA	1/4 inch FDA Black Polypropylene Multi-Barbed Connector
C-5B5B-NN-NSF	5/16 inch NSF Natural Nylon Multi-Barbed Connector
C-5B5B-BPE-NSF	5/16 inch NSF Black Polyethylene Multi-Barbed Connector
C-5B5B-NPP-FDA	5/16 inch FDA Natural Polypropylene Multi-Barbed Connector
C-5B5B-BPP-FDA	5/16 inch FDA Black Polypropylene Multi-Barbed Connector
C-6B6B-NN-NSF	3/8 inch NSF Natural Nylon Multi-Barbed Connector
C-6B6B-BPE-NSF	3/8 inch NSF Black Polyethylene Multi-Barbed Connector
C-6B6B-BPP-FDA	3/8 inch FDA Black Polypropylene Multi-Barbed Connector
C-8B8B-NN-NSF	1/2 inch NSF Natural Nylon Multi-Barbed Connector
C-8B8B-BPE-NSF	1/2 inch NSF Black Polyethylene Multi-Barbed Connector
C-8B8B-BPP-FDA	1/2 inch FDA Black Polypropylene Multi-Barbed Connector
C-10B10-NN-NSF	5/8 inch NSF Natural Nylon Multi-Barbed Connector
C-10B10B-BPE-NSF	5/8 inch NSF Black Polyethylene Multi-Barbed Connector
C-10B10B-BPP-FDA	5/8 inch FDA Black Polypropylene Multi-Barbed Connector
C-12B12B-NN-NSF	3/4 inch NSF Natural Nylon Multi-Barbed Connector
C-12B12B-BPP-FDA	3/4 inch FDA Black Polypropylene Multi-Barbed Connector
C-16B16B-NN-NSF	1 inch NSF Natural Nylon Multi-Barbed Connector
C-16B16B-BPP-FDA	1 inch FDA Black Polypropylene Multi-Barbed Connector
C-20B20B-NN-NSF	1-1/4 inch NSF Natural Nylon Multi-Barbed Connector
C-20B20B-BPP-FDA	1-1/4 inch FDA Black Polypropylene Multi-Barbed Connector
C-24B24B-NN-NSF	1-1/2 inch NSF Natural Nylon Multi-Barbed Connector
C-4B2B-NN-NSF	1/4 inch by 1/8 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-4B2B-BPE-NSF	1/4 inch by 1/8 inch NSF Black Polyethylene Multi-Barbed Reducing Connector

SKU	Description
C-4B2B-BPP-FDA	1/4 inch by 1/8 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-4B3B-NN-NSF	1/4 inch by 3/16 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-4B3B-BPE-NSF	1/4 inch by 3/16 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-4B3B-BPP-FDA	1/4 inch by 3/16 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-4B532-NN-NSF	1/4 inch by 5/32 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-4B532-BPE-NSF	1/4 inch by 5/32 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-4B532-BPP-FDA	1/4 inch by 5/32 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-5B2B-NN-NSF	5/16 inch by 1/8 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-5B2B-BPE-NSF	5/16 inch by 1/8 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-5B2B-BPP-FDA	5/16 inch by 1/8 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-5B3B-NN-NSF	5/16 inch by 3/16 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-5B3B-BPE-NSF	5/16 inch by 3/16 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-5B3B-BPP-FDA	5/16 inch by 3/16 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-6B4B-NN-NSF	3/8 inch by 1/4 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-6B4B-BPE-NSF	3/8 inch by 1/4 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-6B4B-BPP-FDA	3/8 inch by 1/4 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-6B5B-NN-NSF	3/8 inch by 5/16 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-6B5B-BPE-NSF	3/8 inch by 5/16 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-6B5B-BPP-FDA	3/8 inch by 5/16 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-6B8B-NN-NSF	3/8 inch by 1/2 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-6B8B-BPE-NSF	3/8 inch by 1/2 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-6B8B-BPP-FDA	3/8 inch by 1/2 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-8B4B-NN-NSF	1/2 inch by 1/4 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-8B4B-BPE-NSF	1/2 inch by 1/4 inch NSF Black Polyethylene Multi-Barbed Reducing Connector



SKU	Description
C-8B4B-BPP-FDA	1/2 inch by 1/4 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-8B6B-NN-NSF	1/2 inch by 3/8 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-8B6B-BPE-NSF	1/2 inch by 3/8 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-8B6B-BPP-FDA	1/2 inch by 3/8 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-10B6B-NN-NSF	5/8 inch by 3/8 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-10B6B-BPE-NSF	5/8 inch by 3/8 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-10B6B-BPP-FDA	5/8 inch by 3/8 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-10B8B-BPE-NSF	5/8 inch by 1/2 inch NSF Black Polyethylene Multi-Barbed Reducing Connector
C-10B8B-BPP-FDA	5/8 inch by 1/2 inch FDA Black Polypropylene Multi-Barbed Reducing Connector
C-10B8B-NN-NSF	5/8 inch by 1/2 inch NSF Natural Nylon Multi-Barbed Reducing Connector
C-12B8B-NN-NSF	3/4 inch by 1/2 inch NSF Natural Nylon
C-12B8B-BPE-NSF	3/4 inch by 1/2 inch NSF Black Polyethylene
C-12B8B-BPP-FDA	3/4 inch by 1/2 inch FDA Black Polypropylene

## TP-O SERIES



TP-O Series is a standard single barbed Tube Plug with no parting line on the barb. Tubing can be started on the barb before any expansion begins and it will expand the tubing up to 43% when completely inserted. It is available in Black and White Nylon, Polypropylene, or PVDF. This series is also available with an orifice. Barb sizes for this tube plug are: 1/16 inch, 1/8 inch, 3/32 inch, 3/16 inch, 1/4 inch, 5/32 inch, 3/8 inch, 1/2 inch, 5/8 inch, and 1 inch. Materials vary with barb sizes (see list below).

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SKU	Description
TP-O-1B	1/16 Barb Tube Plug
TP-O-2B	1/8 Barb Tube Plug
TP-O-332B	3/32 Barb Tube Plug
TP-O-3B	3/16 Barb Tube Plug

SKU	Description
TP-O-4B	1/4 Barb Tube Plug
TP-O-532B	5/32 Barb Tube Plug
TP-O-6B	3/8 Barb Tube Plug
TP-O-8B	1/2 Barb Tube Plug
TP-O-10B	5/8 Barb Tube Plug
TP-S-1B	1/16 Standard Single Barb Tube Plug
TP-S-2B	1/8 Standard Single Barb Tube Plug
TP-S-332B	3/32 Standard Single Barb Tube Plug
TP-S-532B	5/32 Standard Single Barb Tube Plug

## T-W SERIES



T-W Series is a precision, equal single barbed tee connector. These tees are made of White Nylon or Polypropylene. Barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
T-W-18NPP	1/8 inch Natural Polypropylene Single Barbed Precision Tee Connector
T-W-18-WN	1/8 inch White Nylon Single Barbed Precision Tee Connector
T-W-1B-NPP	1/16 inch Natural Polypropylene Single Barbed Precision Tee Connector
T-W-1B-WN	1/16 inch White Nylon Single Barbed Precision Tee Connector
T-W-332-NPP	3/32 inch Natural Polypropylene Single Barbed Precision Tee Connector
T-W-332-WN	3/32 inch White Nylon Single Barbed Precision Tee Connector



## TR-C SERIES

TR-C Series is a commercial-grade, single-barbed Tee connector. It is available in White Nylon. Barb sizes available are 1/8 inch by 3/16 inch, 1/8 inch by 1/4 inch, 5/32 inch by 3/16 inch, and 5/32 inch by 1/4 inch. Reducing barb sizes: 5/32 inch by 1/16 inch.

SKU	Description
TR-C-2B4B	1/8 by 1/4 Barb Reducing Tee
TR-C-532B1B	5/32 by 1/16 Barb Reducing Tee
TR-C-532B3B	5/32 by 3/16 Barb Reducing Tee
TR-C-532B4B	5/32 by 1/4 Barb Reducing Tee



## T-S SERIES

The T-S Series standard single-barbed Tee is made of White Nylon and Natural Polypropylene. Available equal barb sizes are 1/16 inch, 3/32 inch, 1/8 inch, and 1/4 inch. This Tee works well with flexible tubing and expands the tubing 50% above its normal ID.

SKU	Description
T-S-1B-400	1/16 Barb Tee Low Profile
T-S-1B	1/16 Barb Tee
T-S-2B	1/8 Barb Tee
T-S-332B	3/32 Barb Tee



## T-R SERIES

The T-R Series is a standard industrial-grade, single-barbed Tee connector. There is a rib behind the barb to prevent the tubing from rotating. There is no parting line on the barb. This Tee is available in Natural and Black Nylon, Natural and Gray PVDF, Polyethylene certified NSF 51/61, Natural and White Polypropylene, HDPE, and Glass-Filled Black Nylon. Equal barb connectors come in a range of sizes from 3/32 inch to 1 inch (see list below). The reducing barb sizes available for this series are 5/8 inch by 3/8 inch.

SKU	Description
T-R-10B6B-NN	5/8 inch by 3/8 inch Natural Nylon Single Barbed Reducing Tee Connector
T-R-10B6B-BN	5/8 inch by 3/8 inch Black Nylon Single Barbed Reducing Tee Connector
T-R-10B6B-PVDF	5/8 inch by 3/8 inch PVDF Single Barbed Reducing Connector
T-R-10B6B-GPVDF	5/8 inch by 3/8 inch Gray PVDF Single Barbed Reducing Tee Connector
T-R-10B6B-PE-NSF	5/8 inch by 3/8 inch NSF Polyethylene Single Barbed Reducing Connector
T-R-10B6B-HDPE	5/8 inch by 3/8 inch High-Density Polyethylene Single Barbed Reducing Tee Connector
T-R-10B6B-NPP	5/8 inch by 3/8 inch Natural Polypropylene Single Barbed Reducing Tee Connector
T-R-10B6B-WPP	5/8 inch by 3/8 inch White Polypropylene Single Barbed Reducing Connector
T-R-10B6B-GFBN	5/8 inch by 3/8 inch Glass Filled Black Nylon Single Barbed Reducing Tee Connector
T-R-2B-NN	1/8 inch Natural Nylon Single Barbed Tee Connector
T-R-2B-BN	1/8 inch Black Nylon Single Barbed Tee Connector
T-R-2B-PVDF	1/8 inch PVDF Single Barbed Tee Connector
T-R-2B-GPVDF	1/8 inch Gray PVDF Single Barbed Tee Connector
T-R-2B-PE-NSF	1/8 inch NSF Polyethylene Single Barbed Tee Connector
T-R-2B-HDPE	1/8 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-2B-NPP	1/8 inch Natural Polypropylene Single Barbed Tee Connector
T-R-2B-WPP	1/8 inch White Polypropylene Single Barbed Tee Connector
T-R-2B-GFBN	1/8 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-332B-NN	3/32 inch Natural Nylon Single Barbed Tee Connector
T-R-332B-BN	3/32 inch Black Nylon Single Barbed Tee Connector
T-R-332B-PVDF	3/32 inch PVDF Single Barbed Tee Connector
T-R-332B-GPVDF	3/32 inch Gray PVDF Single Barbed Tee Connector
T-R-332B-PE-NSF	3/32 inch NSF Polyethylene Single Barbed Tee Connector

SKU	Description
T-R-332B-HDPE	3/32 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-332B-NPP	3/32 inch Natural Polypropylene Single Barbed Tee Connector
T-R-332B-WPP	3/32 inch White Polypropylene Single Barbed Tee Connector
T-R-332B-GFBN	3/32 inch Glass Filled Black Nylon Single Barbed Tee Connector
T-R-3B-NN	3/16 inch Natural Nylon Single Barbed Tee Connector
T-R-3B-BN	3/16 inch Black Nylon Single Barbed Tee Connector
T-R-3B-PVDF	3/16 inch PVDF Single Barbed Tee Connector
T-R-3B-GPVDF	3/16 inch Gray PVDF Single Barbed Tee Connector
T-R-3B-PE-NSF	3/16 inch NSF Polyethylene Single Barbed Tee Connector
T-R-3B-HDPE	3/16 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-3B-NPP	3/16 inch Natural Polypropylene Single Barbed Tee Connector
T-R-3B-WPP	3/16 inch White Polypropylene Single Barbed Tee Connector
T-R-3B-GFBN	3/16 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-4B-NN	1/4 inch Natural Nylon Single Barbed Tee Connector
T-R-4B-BN	1/4 inch Black Nylon Single Barbed Tee Connector
T-R-4B-PVDF	1/4 inch PVDF Single Barbed Tee Connector Natural
T-R-4B-GPVDF	1/4 inch Gray PVDF Single Barbed Tee Connector
T-R-4B-PE-NSF	1/4 inch NSF Polyethylene Single Barbed Tee Connector
T-R-4B-HDPE	1/4 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-4B-NPP	1/4 inch Natural Polypropylene Single Barbed Tee Connector
T-R-4B-WPP	1/4 inch White Polypropylene Single Barbed Tee Connector
T-R-4B-GFBN	1/4 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-532B-NN	5/32 inch Natural Nylon Single Barbed Tee Connector
T-R-532B-BN	5/32 inch Black Nylon Single Barbed Tee Connector
T-R-532B-PVDF	5/32 inch PVDF Single Barbed Tee Connector
T-R-532B-GPVDF	5/32 inch Gray PVDF Single Barbed Tee Connector
T-R-532B-PE-NSF	5/32 inch NSF Polyethylene Single Barbed Tee Connector
T-R-532B-HDPE	5/32 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-532B-NPP	5/32 inch Natural Polypropylene Single Barbed Tee Connector
T-R-532B-WPP	5/32 inch White Polypropylene Single Barbed Tee Connector
T-R-532B-GFBN	5/32 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-5B-NN	5/16 inch Natural Nylon Single Barbed Tee Connector
T-R-5B-BN	5/16 inch Black Nylon Single Barbed Tee Connector
T-R-5B-PVDF	5/16 inch PVDF Single Barbed Tee Connector
T-R-5B-GPVDF	5/16 inch Gray PVDF Single Barbed Tee Connector
T-R-5B-PE-NSF	5/16 inch NSF Polyethylene Single Barbed Tee Connector
T-R-5B-HDPE	5/16 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-5B-NPP	5/16 inch Natural Polypropylene Single Barbed Tee Connector
T-R-5B-WPP	5/16 inch White Polypropylene Single Barbed Tee Connector
T-R-5B-GFBN	5/16 inch Glass-Filled Black Nylon Single Barbed Tee Connector

SKU	Description
T-R-6B-NN	3/8 inch Natural Nylon Single Barbed Tee Connector
T-R-6B-BN	3/8 inch Black Nylon Single Barbed Tee Connector
T-R-6B-PVDF	3/8 inch PVDF Single Barbed Tee Connector
T-R-6B-GPVDF	3/8 inch Gray PVDF Single Barbed Tee Connector
T-R-6B-PE-NSF	3/8 inch NSF Polyethylene Single Barbed Tee Connector
T-R-6B-HDPE	3/8 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-6B-NPP	3/8 inch Natural Polypropylene Single Barbed Tee Connector
T-R-6B-WPP	3/8 inch White Polypropylene Single Barbed Tee Connector
T-R-6B-GFBN	3/8 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-8B-NN	1/2 inch Natural Nylon Single Barbed Tee Connector
T-R-8B-BN	1/2 inch Black Nylon Single Barbed Tee Connector
T-R-8B-PVDF	1/2 inch PVDF Single Barbed Tee Connector
T-R-8B-GPVDF	1/2 inch Gray PVDF Single Barbed Tee Connector
T-R-8B-PE-NSF	1/2 inch NSF Polyethylene Single Barbed Tee Connector
T-R-8B-HDPE	1/2 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-8B-NPP	1/2 inch Natural Polypropylene Single Barbed Tee Connector
T-R-8B-WPP	1/2 inch White Polypropylene Single Barbed Tee Connector
T-R-8B-GFBN	1/2 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-10B-NN	5/8 inch Natural Nylon Single Barbed Tee Connector
T-R-10B-BN	5/8 inch Black Nylon Single Barbed Tee Connector
T-R-10B-PVDF	5/8 inch PVDF Single Barbed Tee Connector
T-R-10B-GPVDF	5/8 inch Gray PVDF Single Barbed Tee Connector
T-R-10B-PE-NSF	5/8 inch NSF Polyethylene Single Barbed Tee Connector
T-R-10B-HDPE	5/8 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-10B-NPP	5/8 inch Natural Polypropylene Single Barbed Tee Connector
T-R-10B-WPP	5/8 inch White Polypropylene Single Barbed Tee Connector
T-R-10B-GFBN	5/8 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-12B-NN	3/4 inch Natural Nylon Single Barbed Tee Connector
T-R-12B-BN	3/4 inch Black Nylon Single Barbed Tee Connector
T-R-12B-PVDF	3/4 inch PVDF Single Barbed Tee Connector
T-R-12B-GPVDF	3/4 inch Gray PVDF Single Barbed Tee Connector
T-R-12B-PE-NSF	3/4 inch NSF Polyethylene Single Barbed Tee Connector
T-R-12B-HDPE	3/4 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-12B-NPP	3/4 inch Natural Polypropylene Single Barbed Tee Connector
T-R-12B-WPP	3/4 inch White Polypropylene Single Barbed Tee Connector
T-R-12B-GFBN	3/4 inch Glass-Filled Black Nylon Single Barbed Tee Connector
T-R-16B-NN	1 inch Natural Nylon Single Barbed Tee Connector
T-R-16B-BN	1 inch Black Nylon Single Barbed Tee Connector
T-R-16B-PVDF	1 inch PVDF Single Barbed Tee Connector
T-R-16B-GPVDF	1 inch Gray PVDF Single Barbed Tee Connector
T-R-16B-PE-NSF	1 inch NSF Polyethylene Single Barbed Tee Connector
T-R-16B-HDPE	1 inch High-Density Polyethylene Single Barbed Tee Connector
T-R-16B-NPP	1 inch Natural Polypropylene Single Barbed Tee Connector

SKU	Description
T-R-16B-WPP	1 inch White Polypropylene Single Barbed Tee Connector
T-R-16B-GFBN	1 inch Glass-Filled Black Nylon Single Barbed Tee Connector

## VC-S SERIES



The VC-S Series are straight vacuum connectors in equal and reducing styles. It is made of Natural or Black Nylon 6/6. Equal barb sizes are 1/8 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, 1/2 inch, and 5/8 inch. In addition, reducing barb sizes are 3/16 inch by 5/32 inch, 1/4 inch by 1/8 inch, 1/4 inch by 3/16 inch, 5/16 inch by 1/4 inch, and 3/8 inch by 1/4 inch. The working temperature range is -20° F to 212° F. These connectors are used for air, liquid, and vapor applications.

SKU	Description
VC-S-2B	1/8 Barb Vacuum Connector
VC-S-3B	3/16 Barb Vacuum Connector
VC-S-4B	1/4 Barb Vacuum Connector
VC-S-5B	5/16 Barb Vacuum Connector
VC-S-6B	3/8 Barb Vacuum Connector
VC-S-8B	1/2 Barb Vacuum Connector
VC-S-10B	5/8 Barb Vacuum Connector
VC-S-3B532BB	3/16 Barb by 5/32 Barb Vacuum Reducer
VC-S-4B2B	1/4 Barb by 1/8 Barb Vacuum Reducer
VC-S-4B3B	1/4 Barb by 3/16 Barb Vacuum Reducer
VC-S-5B4B	5/16 Barb by 1/4 Barb Vacuum Reducer
VC-S-6B4B	3/8 Barb by 1/4 Barb Vacuum Reducer



## CR-S SERIES

The CR-S Series are standard equal and reducing single barbed straight connectors with no parting line on the barb. These are ideal for medical and laboratory environments. The barbs will expand tubing up to 50% above its normal size. Both equal and reducing connectors are produced of White and Black Nylon, Natural Polypropylene, PVDF, and Polycarbonate. Equal connectors also have the options of Red and Blue Nylon. Orifices are also available. Equal barb sizes: 1/8 inch. Reducing barb sizes: 1/8 inch by 1/16 inch, 1/8 inch by 3/32 inch, 3/32 inch by 1/16 inch, and 5/32 inch by 3/32 inch.

SKU	Description
CR-S-2B2B-WN	1/8 inch White Nylon Single Barbed Straight Connector
CR-S-2B2B-BN	1/8 inch Black Nylon Single Barbed Straight Connector
CR-S-2B2B-NPP	1/8 inch Natural Polypropylene Single Barbed Straight Connector
CR-S-2B2B-PVDF	1/8 inch PVDF Single Barbed Straight Connector
CR-S-2B2B-PC	1/8 inch Polycarbonate Single Barbed Straight Connector
CR-S-2B2B-BL	1/8 inch Blue Nylon Single Barbed Straight Connector
CR-S-2B2B-RD	1/8 inch Red Nylon Single Barbed Straight Connector
CR-S-2B1B-BN	1/8 inch by 1/16 inch Black Nylon Single Barbed Reducing Connector
CR-S-2B1B-NPP	1/8 inch by 1/16 inch Natural Polypropylene Single Barbed Reducing Connector
CR-S-2B1B-PC	1/8 inch by 1/16 inch Polycarbonate Single Barbed Reducing Connector
CR-S-2B1B-PVDF	1/8 inch by 1/16 inch PVDF Single Barbed Reducing Connector
CR-S-2B1B-WN	1/8 inch by 1/16 inch White Nylon Single Barbed Reducing Connector
CR-S-2B1B-BN	1/8 inch by 1/16 inch Black Nylon Single Barbed Reducing Connector
CR-S-2B332B-BN	1/8 inch by 3/32 inch Black Nylon Single Barbed Reducing Connector
CR-S-2B332B-NPP	1/8 inch by 3/32 inch Natural Polypropylene Single Barbed Reducing Connector
CR-S-2B332B-PC	1/8 inch by 3/32 inch Polycarbonate Single Barbed Reducing Connector
CR-S-2B332B-PVDF	1/8 inch by 3/32 inch PVDF Single Barbed Reducing Connector
CR-S-2B332B-WN	1/8 inch by 3/32 inch White Nylon Single Barbed Reducing Connector
CR-S-2B332B-YEL	1/8 inch by 3/32 inch Yellow Nylon Single Barbed Reducing Connector



SKU	Description
CR-S-332B1B-BN	3/32 inch by 1/16 inch Black Nylon Single Barbed Reducing Connector
CR-S-332B1B-NPP	3/32 inch by 1/16 inch Natural Polypropylene Single Barbed Reducing Connector
CR-S-332B1B-PC	3/32 inch by 1/16 inch Polycarbonate Single Barbed Reducing Connector
CR-S-332B1B-PVDF	3/32 inch by 1/16 inch PVDF Single Barbed Reducing Connector
CR-S-332B1B-WN	3/32 inch by 1/16 inch White Nylon Single Barbed Reducing Connector
CR-S-532B332B-BN	5/32 inch by 3/32 inch Black Nylon Single Barbed Reducing Connector
CR-S-532B332B-NPP	5/32 inch by 3/32 inch Natural Polypropylene Single Barbed Reducing Connector
CR-S-532B332B-PC	5/32 inch by 3/32 inch Polycarbonate Single Barbed Reducing Connector
CR-S-532B332B-PVDF	5/32 inch by 3/32 inch PVDF Single Barbed Reducing Connector
CR-S-532B332B-WN	5/32 inch by 3/32 inch White Nylon Single Barbed Reducing Connector



## CPP SERIES

The CPP Series is a standard single-barbed connector with equal barbs. Included in this series is the CPR Series, which is the reducing connector. Both series are available in Natural, White, and Black Nylon, Polypropylene, PVDF, and Polyethylene. Equal barb sizes (CPP Series) are 1/16 inch, 3/32 inch, and 1/8 inch. Reducing barb sizes (CPR Series) are 1/8 inch by 1/16 inch, 1/8 inch by 3/32 inch, 3/32 inch by 1/16 inch, 3/32 inch by 5/32 inch, 1/4 inch by 1/16 inch, 1/4 inch by 3/32 inch, 1/4 inch by 3/16 inch, 5/32 inch by 1/16 inch, 5/32 inch by 1/8 inch, and 5/32 inch by 3/32 inch.

SKU	Description
CPP-1B	1/16 inch Standard Barbed Connector
CPP-2B	1/8 inch Standard Barbed Connector
CPP-332B	3/32 inch Standard Barbed Connector
CPR-2B1B	1/8 by 1/16 Standard Barbed Reducer
CPR-2B332B	1/8 by 3/32 Standard Barb Reducer
CPR-332B1B	3/32 by 1/16 Standard Barbed Reducer

SKU	Description
CPR-3B532B	3/16 by 5/32 Standard Barbed Reducer
CPR-4B1B	1/4 by 1/16 Standard Barbed Reducer
CPR-4B2B	1/4 by 1/8 Standard Barbed Reducer
CPR-4B332B	1/4 by 3/32 Standard Barbed Reducer
CPR-4B3B	1/4 by 3/16 Standard Barbed Reducer
CPR-532B1B	5/32 by 1/16 Standard Barbed Reducer
CPR-532B2B	5/32 by 1/8 Standard Barbed Reducer
CPR-532B332B	5/32 by 3/32 Standard Barbed Reducer



## C-W SERIES

The C-W Series is a single barbed precision connector. These connectors are made of Natural Nylon, Natural Polypropylene and Polycarbonate. The available equal barb sizes are 3/32 inch, 1/16 inch, and 1/8 inch.

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SKU	Description
C-W-1B	1/16 Barb Precision Connector
C-W-2B	1/8 Barb Precision Connector
C-W-332	3/32 Barb Precision Connector



## CNR SERIES

The CNR Series is a series of single barbed straight and reducing connectors. Available materials are Black Glass-Filled and Natural Nylon, White and Natural Polypropylene, Gray and Natural PVDF, and NSF 51/61 listed High-Density Polyethylene. Furthermore, the equal barb sizes include 3/32 inch, 5/32 inch, 3/16 inch, 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, and 1 inch. Reducing barb sizes come in combinations of 1/16 inch, 3/32 inch, 1/8 inch, 5/32 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, and 1 inch.

SKU	Description
CNR-332B1B	3/32 Single Barb by 1/16 Single Barb Reducer
CNR-3B2B	3/16 Single Barb by 1/8 Single Barb Reducer
CNR-4B2B	1/4 Single Barb by 1/8 Single Barb Reducer
CNR-4B332B	1/4 Single Barb by 3/32 Single Barb Reducer
CNR-4B3B	1/4 Single Barb by 1/8 Single Barb Reducer
CNR-4B532B	1/4 Single Barb by 5/32 Single Barb Reducer
CNR-5B4B	5/16 Single Barb by 1/4 Single Barb Reducer
CNR-6B4B	3/8 Single Barb by 1/4 Single Barb Reducer
CNR-6B5B	3/8 Single Barb by 5/16 Single Barb Reducer
CNR-8B4B	1/2 Single Barb by 1/4 Single Barb Reducer
CNR-8B5B	1/2 Single Barb by 5/16 Single Barb Reducer
CNR-8B6B	1/2 Single Barb by 3/8 Single Barb Reducer
CNR-10B4B	5/8 Single Barb by 1/4 Single Barb Reducer
CNR-10B5B	5/8 Single Barb by 5/16 Single Barb Reducer
CNR-10B6B	5/8 Single Barb by 3/8 Single Barb Reducer
CNR-10B8B	5/8 Single Barb by 1/2 Single Barb Reducer
CNR-12B10B	3/4 Single Barb by 5/8 Single Barb Reducer
CNR-12B6B	3/4 Single Barb by 3/8 Single Barb Reducer
CNR-12B8B	3/4 Single Barb by 1/2 Single Barb Reducer
CNR-16B10B	1 inch Single Barb by 5/8 Single Barb Reducer
CNR-16B12B	1 inch Single Barb by 3/4 Single Barb Reducer
CNR-16B8B	1 inch Single Barb by 1/2 Single Barb Reducer
CNR-332B	3/32 Standard Single Barb Connector
CNR-3B	3/16 Standard Single Barb Connector
CNR-4B	1/4 Standard Single Barb Connector
CNR-532B	5/32 Standard Single Barb Connector
CNR-6B	3/8 Standard Single Barb Connector
CNR-8B	1/2 Standard Single Barb Connector
CNR-10B	5/8 Standard Single Barb Connector
CNR-12B	3/4 Standard Single Barb Connector

SKU	Description
CNR-16B	1 inch Standard Single Barb Connector



## VC-T SERIES

The VC-T Series is a series of single-barbed vacuum Tees, available materials are Natural Nylon and Red Nylon. Reducing Tees (VC-TR) are available in Natural, White, and Black Nylon 6/6. The temperature range for these tees is -20° F to 212° F. They can be used for air, liquid, and vapor.

SKU	Description
VC-T-3B4B	3/16 by 1/4 Vacuum Reducing Tee
VC-T-6B4B	3/8 by 1/4 Vacuum Reducing Tee
VC-TR-2B3B	1/8 by 3/16 Vacuum Reducing Tee
VC-TR-3B2B3B	3/16 by 1/8 by 3/16 Vacuum Reducing Tee
VC-TR-3B2B	3/16 by 1/8 Vacuum Reducing Tee
VC-TR-4B3B	1/4 by 3/16 Vacuum Reducing Tee
VC-TR-6B3B6B	3/8 by 3/16 by 3/8 Vacuum Reducing Tee

## C-SO SERIES



The C-SO Series are original single barbed straight and reducing connectors. These connectors have no parting line on the barb and have a square center hub. Also, tubing can be started on the barb of this connector before any expansion begins. It will expand the tubing by 43% when it is completely inserted. Available materials are Black and White Nylon, Natural Polypropylene, Clear Polycarbonate, and Natural PVDF. Available barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
C-SO-2B1B	1/8 to 1/16 Square Hub Reducer
C-SO-2B332B	1/8 by 3/32 Square Hub Reducer
C-SO-332B1B	3/32 to 1/16 Square Hub Reducer
C-SO-1B	1/16 Square Hub Connector
C-SO-2B	1/8 Square Hub Connector
C-SO-332B	3/32 Square Hub Connector

## AT-R SERIES



The AT-R Series are single-barbed by Male NPT threads Tee Adapters. Available in Black and Natural Nylon, Glass-Filled Nylon, Natural and White Polypropylene, PVDF, and Polyethylene that is NSF 51/61 listed. Thread sizes range from 1/8 inch to 1 inch. Barb sizes range from 1/4 inch to 1 inch.

SKU	Description
AT-R-2M4B-BN	1/8 inch MNPT by 1/4 inch Black Nylon Single Barbed Tee Adapter
AT-R-2M4B-WPP	1/8 inch MNPT by 1/4 inch White Polypropylene Single Barbed Tee Adapter
AT-R-2M4B-GFBN	1/8 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-2M4B-NK	1/8 inch MNPT by 1/4 inch Natural PVDF Single Barbed Tee Adapter
AT-R-2M4B-NN	1/8 inch MNPT by 1/4 inch Natural Nylon Single Barbed Tee Adapter

SKU	Description
AT-R-2M4B-PE-NSF	1/8 inch MNPT by 1/4 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-2M4B-NPP	1/8 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-2M532B-BN	1/8 inch MNPT by 5/32 inch Black Nylon Single Barbed Tee Adapter
AT-R-2M532B-GFBN	1/8 inch MNPT by 5/32 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-2M532B-NN	1/8 inch MNPT by 5/32 inch Natural Nylon Single Barbed Tee Adapter
AT-R-2M532B-PE-NSF	1/8 inch MNPT by 5/32 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-2M532B-NPP	1/8 inch MNPT by 5/32 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-2M532B-PVDF	1/8 inch MNPT by 5/32 inch PVDF Single Barbed Tee Adapter
AT-R-2M532B-WPP	1/8 inch MNPT by 5/32 inch White Polypropylene Single Barbed Tee Adapter
AT-R-2M6B-BN	1/8 inch MNPT by 3/8 inch Black Nylon Single Barbed Tee Adapter
AT-R-2M6B-GFBN	1/8 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-2M6B-NN	1/8 inch MNPT by 3/8 inch Natural Nylon Single Barbed Tee Adapter
AT-R-2M6B-PE-NSF	1/8 inch MNPT by 3/8 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-2M6B-NPP	1/8 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-2M6B-PVDF	1/8 inch MNPT by 3/8 inch PVDF Single Barbed Tee Adapter
AT-R-2M6B-WPP	1/8 inch MNPT by 3/8 inch White Polypropylene Single Barbed Tee Adapter
AT-R-4M3B-BN	1/4 inch MNPT by 3/8 inch Black Nylon Single Barbed Tee Adapter
AT-R-4M3B-GFBN	1/4 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-4M3B-NN	1/4 inch MNPT by 3/8 inch Natural Nylon Single Barbed Tee Adapter
AT-R-4M3B-PE-NSF	1/4 inch MNPT by 3/8 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-4M3B-NPP	1/4 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-4M3B-PVDF	1/4 inch MNPT by 3/8 inch PVDF Single Barbed Tee Adapter
AT-R-4M3B-WPP	1/4 inch MNPT by 3/8 inch White Polypropylene Single Barbed Tee Adapter
AT-R-4M4B-BN	1/4 inch MNPT by 1/4 inch Black Nylon Single Barbed Tee Adapter
AT-R-4M4B-GFBN	1/4 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Tee Adapter

SKU	Description
AT-R-4M4B-NN	1/4 inch MNPT by 1/4 inch Natural Nylon Single Barbed Tee Adapter
AT-R-4M4B-PE-NSF	1/4 inch MNPT by 1/4 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-4M4B-NPP	1/4 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-4M4B-PVDF	1/4 inch MNPT by 1/4 inch PVDF Single Barbed Tee Adapter
AT-R-4M4B-WPP	1/4 inch MNPT by 1/4 inch White Polypropylene Single Barbed Tee Adapter
AT-R-4M532B-BN	1/4 inch MNPT by 5/32 inch Black Nylon Single Barbed Tee Adapter
AT-R-4M532B-GFBN	1/4 inch MNPT by 5/32 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-4M532B-NN	1/4 inch MNPT by 5/32 inch Natural Nylon Single Barbed Tee Adapter
AT-R-4M532B-PE-NSF	1/4 inch MNPT by 5/32 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-4M532B-NPP	1/4 inch MNPT by 5/32 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-4M532B-PVDF	1/4 inch MNPT by 5/32 inch PVDF Single Barbed Tee Adapter
AT-R-4M532B-WPP	1/4 inch MNPT by 5/32 inch White Polypropylene Single Barbed Tee Adapter
AT-R-4M5B-BN	1/4 inch MNPT by 5/16 inch Black Nylon Single Barbed Tee Adapter
AT-R-4M5B-GFBN	1/4 inch MNPT by 5/16 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-4M5B-NN	1/4 inch MNPT by 5/16 inch Natural Nylon Single Barbed Tee Adapter
AT-R-4M5B-PE-NSF	1/4 inch MNPT by 5/16 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-4M5B-NPP	1/4 inch MNPT by 5/16 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-4M5B-PVDF	1/4 inch MNPT by 5/16 inch PVDF Single Barbed Tee Adapter
AT-R-4M5B-WPP	1/4 inch MNPT by 5/16 inch White Polypropylene Single Barbed Tee Adapter
AT-R-4M6B-BN	1/4 inch MNPT by 3/8 inch Black Nylon Single Barbed Tee Adapter
AT-R-4M6B-GFBN	1/4 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-4M6B-NN	1/4 inch MNPT by 3/8 inch Natural Nylon Single Barbed Tee Adapter
AT-R-4M6B-PE-NSF	1/4 inch MNPT by 3/8 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-4M6B-NPP	1/4 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-4M6B-PVDF	1/4 inch MNPT by 3/8 inch PVDF Single Barbed Tee Adapter

SKU	Description
AT-R-4M6B-WPP	1/4 inch MNPT by 3/8 inch White Polypropylene Single Barbed Tee Adapter
AT-R-4M8B-BN	1/4 inch MNPT by 1/2 inch Black Nylon Single Barbed Tee Adapter
AT-R-4M8B-GFBN	1/4 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-4M8B-NN	1/4 inch MNPT by 1/2 inch Natural Nylon Single Barbed Tee Adapter
AT-R-4M8B-PE-NSF	1/4 inch MNPT by 1/2 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-4M8B-NPP	1/4 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-4M8B-PVDF	1/4 inch MNPT by 1/2 inch PVDF Single Barbed Tee Adapter
AT-R-4M8B-WPP	1/4 inch MNPT by 1/2 inch White Polypropylene Single Barbed Tee Adapter
AT-R-6M6B-BN	3/8 inch MNPT by 3/8 inch Black Nylon Single Barbed Tee Adapter
AT-R-6M6B-GFBN	3/8 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-6M6B-NN	3/8 inch MNPT by 3/8 inch Natural Nylon Single Barbed Tee Adapter
AT-R-6M6B-PE-NSF	3/8 inch MNPT by 3/8 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-6M6B-NPP	3/8 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-6M6B-PVDF	3/8 inch MNPT by 3/8 inch PVDF Single Barbed Tee Adapter
AT-R-6M6B-WPP	3/8 inch MNPT by 3/8 inch White Polypropylene Single Barbed Tee Adapter
AT-R-6M8B-BN	3/8 inch MNPT by 1/2 inch Black Nylon Single Barbed Tee Adapter
AT-R-6M8B-GFBN	3/8 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-6M8B-NN	3/8 inch MNPT by 1/2 inch Natural Nylon Single Barbed Tee Adapter
AT-R-6M8B-PE-NSF	3/8 inch MNPT by 1/2 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-6M8B-NPP	3/8 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-6M8B-PVDF	3/8 inch MNPT by 1/2 inch PVDF Single Barbed Tee Adapter
AT-R-6M8B-WPP	3/8 inch MNPT by 1/2 inch White Polypropylene Single Barbed Tee Adapter
AT-R-8M12B-BN	1/2 inch MNPT by 3/4 inch Black Nylon Single Barbed Tee Adapter
AT-R-8M12B-GFBN	1/2 inch MNPT by 3/4 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-8M12B-NN	1/2 inch MNPT by 3/4 inch Natural Nylon Single Barbed Tee Adapter



SKU	Description
AT-R-8M12B-PE-NSF	1/2 inch MNPT by 3/4 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-8M12B-NPP	1/2 inch MNPT by 3/4 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-8M12B-PVDF	1/2 inch MNPT by 3/4 inch PVDF Single Barbed Tee Adapter
AT-R-8M12B-WPP	1/2 inch MNPT by 3/4 inch White Polypropylene Single Barbed Tee Adapter
AT-R-8M4B-BN	1/2 inch MNPT by 1/4 inch Black Nylon Single Barbed Tee Adapter
AT-R-8M4B-GFBN	1/2 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-8M4B-NN	1/2 inch MNPT by 1/4 inch Natural Nylon Single Barbed Tee Adapter
AT-R-8M4B-PE-NSF	1/2 inch MNPT by 1/4 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-8M4B-NPP	1/2 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-8M4B-PVDF	1/2 inch MNPT by 1/4 inch PVDF Single Barbed Tee Adapter
AT-R-8M4B-WPP	1/2 inch MNPT by 1/4 inch White Polypropylene Single Barbed Tee Adapter
AT-R-8M6B-BN	1/2 inch MNPT by 3/8 inch Black Nylon Single Barbed Tee Adapter
AT-R-8M6B-GFBN	1/2 inch MNPT by 3/8 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-8M6B-NN	1/2 inch MNPT by 3/8 inch Natural Nylon Single Barbed Tee Adapter
AT-R-8M6B-PE-NSF	1/2 inch MNPT by 3/8 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-8M6B-NPP	1/2 inch MNPT by 3/8 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-8M6B-PVDF	1/2 inch MNPT by 3/8 inch PVDF Single Barbed Tee Adapter
AT-R-8M6B-WPP	1/2 inch MNPT by 3/8 inch White Polypropylene Single Barbed Tee Adapter
AT-R-8M8B-BN	1/2 inch MNPT by 1/2 inch Black Nylon Single Barbed Tee Adapter
AT-R-8M8B-GFBN	1/2 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-8M8B-NN	1/2 inch MNPT by 1/2 inch Natural Nylon Single Barbed Tee Adapter
AT-R-8M8B-PE-NSF	1/2 inch MNPT by 1/2 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-8M8B-NPP	1/2 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-8M8B-PVDF	1/2 inch MNPT by 1/2 inch PVDF Single Barbed Tee Adapter
AT-R-8M8B-WPP	1/2 inch MNPT by 1/2 inch White Polypropylene Single Barbed Tee Adapter

SKU	Description
AT-R-12M12B-BN	3/4 inch MNPT by 3/4 inch Black Nylon Single Barbed Tee Adapter
AT-R-12M12B-GFBN	3/4 inch MNPT by 3/4 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-12M12B-NN	3/4 inch MNPT by 3/4 inch Natural Nylon Single Barbed Tee Adapter
AT-R-12M12B-PE-NSF	3/4 inch MNPT by 3/4 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-12M12B-NPP	3/4 inch MNPT by 3/4 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-12M12B-PVDF	3/4 inch MNPT by 3/4 inch PVDF Single Barbed Tee Adapter
AT-R-12M12B-WPP	3/4 inch MNPT by 3/4 inch White Polypropylene Single Barbed Tee Adapter
AT-R-12M16B-BN	3/4 inch MNPT by 1 inch Black Nylon Single Barbed Tee Adapter
AT-R-12M16B-GFBN	3/4 inch MNPT by 1 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-12M16B-NN	3/4 inch MNPT by 1 inch Natural Nylon Single Barbed Tee Adapter
AT-R-12M16B-PE-NSF	3/4 inch MNPT by 1 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-12M16B-NPP	3/4 inch MNPT by 1 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-12M16B-PVDF	3/4 inch MNPT by 1 inch PVDF Single Barbed Tee Adapter
AT-R-12M16B-WPP	3/4 inch MNPT by 1 inch White Polypropylene Single Barbed Tee Adapter
AT-R-12M4B-BN	3/4 inch MNPT by 1/4 inch Black Nylon Single Barbed Tee Adapter
AT-R-12M4B-GFBN	3/4 inch MNPT by 1/4 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-12M4B-NN	3/4 inch MNPT by 1/4 inch Natural Nylon Single Barbed Tee Adapter
AT-R-12M4B-PE-NSF	3/4 inch MNPT by 1/4 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-12M4B-NPP	3/4 inch MNPT by 1/4 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-12M4B-PVDF	3/4 inch MNPT by 1/4 inch PVDF Single Barbed Tee Adapter
AT-R-12M4B-WPP	3/4 inch MNPT by 1/4 inch White Polypropylene Single Barbed Tee Adapter
AT-R-12M8B-BN	3/4 inch MNPT by 1/2 inch Black Nylon Single Barbed Tee Adapter
AT-R-12M8B-GFBN	3/4 inch MNPT by 1/2 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-12M8B-NN	3/4 inch MNPT by 1/2 inch Natural Nylon Single Barbed Tee Adapter
AT-R-12M8B-PE-NSF	3/4 inch MNPT by 1/2 inch NSF Polyethylene Single Barbed Tee Adapter

SKU	Description
AT-R-12M8B-NPP	3/4 inch MNPT by 1/2 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-12M8B-PVDF	3/4 inch MNPT by 1/2 inch PVDF Single Barbed Tee Adapter
AT-R-12M8B-WPP	3/4 inch MNPT by 1/2 inch White Polypropylene Single Barbed Tee Adapter
AT-R-16M16M-BN	1 inch MNPT by 1 inch Black Nylon Single Barbed Tee Adapter
AT-R-16M16M-GFBN	1 inch MNPT by 1 inch Glass-Filled Black Nylon Single Barbed Tee Adapter
AT-R-16M16M-NN	1 inch MNPT by 1 inch Natural Nylon Single Barbed Tee Adapter
AT-R-16M16M-PE-NSF	1 inch MNPT by 1 inch NSF Polyethylene Single Barbed Tee Adapter
AT-R-16M16M-NPP	1 inch MNPT by 1 inch Natural Polypropylene Single Barbed Tee Adapter
AT-R-16M16M-PVDF	1 inch MNPT by 1 inch PVDF Single Barbed Tee Adapter
AT-R-16M16M-WPP	1 inch MNPT by 1 inch White Polypropylene Single Barbed Tee Adapter

## EV SERIES



The EV Series are single barbed tube-to-tube elbows. These elbows are available in White and Black Nylon, Natural Polypropylene, Clear Polycarbonate, and PVDF. These elbows are available in equal or reduced sizes. Barb sizes are 1/16 inch, 1/8 inch, and 3/32 inch.

SKU	Description
EV-1B	1/16 Barb Elbow
EV-1B-400	1/16 Barb Elbow Low Profile
EV-2B	1/8 Barb Elbow
EV-332B	3/32 Barb Elbow
EV-2B1B	1/8 by 1/16 Barb Reducing Elbow
EV-2B332B	1/8 by 3/32 Barb Reducing Elbow
EV-332B1B	3/32 by 1/16 Barb Reducing Elbow

## CPL SERIES



The CPL Series are equal or reducing elbow connectors. This series of single barbed elbows are available in Natural and Black Nylon, Natural Polypropylene, PVDF, and Polyethylene. The barb sizes are 1/16 inch, 3/32 inch, 1/8 inch, 5/32 inch, 3/16 inch, and 1/4 inch.

SKU	Description
CPL-1B	1/16 Barb Elbow
CPL-2B	1/8 Barb Elbow
CPL-332B	3/32 Barb Elbow
CPL-2B1B	1/8 Barb to 1/16 Barb Elbow Reducer
CPL-2B332B	1/8 Barb by 3/32 Barb Elbow Reducer
CPL-332B1B	3/32 Barb by 1/16 Barb Elbow Reducer
CPL-3B1B	3/16 Barb by 1/8 Barb Elbow Reducer
CPL-3B2B	3/16 Barb by 1/8 Barb Elbow Reducer
CPL-4B1B	1/4 Barb by 1/16 Barb Elbow Reducer
CPL-4B2B	1/4 Barb by 1/8 Barb Elbow Reducer
CPL-4B332B	1/4 Barb by 3/32 Barb Elbow Reducer
CPL-532B1B	5/32 Barb by 1/16 Barb Elbow Reducer
CPL-532B2B	5/32 Barb by 1/8 Barb Elbow Reducer

## AM-U SERIES



AM-U Series is a 1/4-28 inch UNF bottom sealing Swivel fitting. It is available with Polypropylene or PVDF interiors with a Nylon encasement. The Nylon comes in five colors: white, black, red, blue, or green. There are three barb sizes: 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
AM-U-14S1B-NP	1/4-28 inch UNF by 1/16 inch Nylon over Polypropylene Single Barbed Swivel
AM-U-14S1B-PVDF	1/4-28 inch UNF by 1/16 inch Nylon over PVDF Single Barbed Swivel
AM-U-14S1B-WN	1/4-28 inch UNF by 1/16 inch White Nylon Single Barbed Swivel
AM-U-14S1B-BN	1/4-28 inch UNF by 1/16 inch Black Nylon Single Barbed Swivel

SKU	Description
AM-U-14S1B-RD	1/4-28 inch UNF by 1/16 inch Red Nylon Single Barbed Swivel
AM-U-14S1B-BL	1/4-28 inch UNF by 1/16 inch Blue Nylon Single Barbed Swivel
AM-U-14S1B-GN	1/4-28 inch UNF by 1/16 inch Green Nylon Single Barbed Swivel
AM-U-14S2B-NP	1/4-28 inch UNF by 1/8 inch Nylon over Polypropylene Single Barbed Swivel
AM-U-14S2B-PVDF	1/4-28 inch UNF by 1/8 inch Nylon over PVDF Single Barbed Swivel
AM-U-14S2B-WN	1/4-28 inch UNF by 1/8 inch White Nylon Single Barbed Swivel
AM-U-14S2B-BN	1/4-28 inch UNF by 1/8 inch Black Nylon Single Barbed Swivel
AM-U-14S2B-RD	1/4-28 inch UNF by 1/8 inch Red Nylon Single Barbed Swivel
AM-U-14S2B-BL	1/4-28 inch UNF by 1/8 inch Blue Nylon Single Barbed Swivel
AM-U-14S2B-GN	1/4-28 inch UNF by 1/8 inch Green Nylon Single Barbed Swivel
AM-U-14S332B-NPP	1/4-28 inch UNF by 3/32 inch Natural Polypropylene Single Barbed Swivel
AM-U-14S332B-WNP	1/4-28 inch UNF by 3/32 inch Nylon over Polypropylene Single Barbed Swivel
AM-U-14S332B-BN	1/4-28 inch UNF by 3/32 inch Black Nylon Single Barbed Swivel
AM-U-14S332B-PVDF	1/4-28 inch UNF by 3/32 inch Nylon over PVDF Single Barbed Swivel
AM-U-14S332B-RD	1/4-28 inch UNF by 3/32 inch Red Nylon Single Barbed Swivel
AM-U-14S332B-BL	1/4-28 inch UNF by 3/32 inch Blue Nylon Single Barbed Swivel
AM-U-14S332BGN	1/4-28 inch UNF by 3/32 inch Green Nylon Single Barbed Swivel



## C-O SERIES

The C-O Series are original single barbed straight and reducing connectors. These parts have no parting line on the barb. Tubing can be started on the barb before any expansion begins. Also, it will expand the tubing by 43% when completely inserted. Available materials are White Nylon and Natural Polypropylene. In addition, straight barb sizes are 1/16 inch, 3/32 inch, 1/8 inch, 5/32 inch, 3/16 inch, and 1/4 inch. Reducing barb sizes come in combinations ranging from 1/16 inch to 3/8 inch (listed below).

SKU	Description
C-O-2B1B	1/8 Barb to 1/16 Barb Reducing Connector
C-O-332B1B	3/32 Barb to 1/16 Barb Reducing Connector

SKU	Description
C-O-332B-2B	3/32 Barb to 1/8 Barb Reducing Connector
C-O-3B1B	3/16 Barb to 1/16 Barb Reducing Connector
C-O-3B2B	3/16 Barb to 1/8 Barb Reducing Connector
C-O-3B332B	3/16 Barb to 3/32 Barb Reducing Connector
C-O-3B532B	3/16 Barb by 5/32 Barb Reducing Connector
C-O-4B2B	1/4 Barb to 1/8 Barb Reducing Connector
C-O-4B3B	1/4 Barb to 3/16 Barb Reducing Connector
C-O-4B532B	1/4 Barb to 5/32 Barb Reducing Connector
C-O-532B1B	5/32 Barb to 1/16 Barb Reducing Connector
C-O-532B2B	5/32 Barb to 1/8 Barb Reducing Connector
C-O-532B332B	5/32 Barb to 3/32 Barb Reducing Connector
C-O-1B	1/16 Barb Connector
C-O-2B	1/8 Barb Connector
C-O-332B	3/32 Barb Connector
C-O-3B	3/16 Barb Connector
C-O-4B	1/4 Barb Connector
C-O-532B	5/32 Barb Connector



## DTF-S SERIES

The DTF-S Series is a three-port F-style fitting usually used with flexible tubing. It can expand tubing by 50% of its normal ID. This permits high-pressure capabilities. This fitting is available in White Nylon and Natural Polypropylene. All three ports are equal. Available barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

SKU	Description
DTF-S-1B-NPP	1/16 inch Natural Polypropylene F-Style Single Barbed Double Tube Tee Connector
DTF-S-1B-WN	1/16 inch White Nylon F-Style Single Barbed Double Tube Tee Connector
DTF-S-2B-NPP	1/8 inch Natural Polypropylene F-Style Single Barbed Double Tube Tee Connector
DTF-S-2B-WN	1/8 inch White Nylon F-Style Single Barbed Double Tube Tee Connector
DTF-S-332B-WN	3/32 inch White Nylon F-Style Single Barbed Double Tube Tee Connector
DTF-S-332-P	3/32 inch Natural Polypropylene F-Style Single Barbed Double Tube Tee Connector

## L-W SERIES



This series of precision, Single Barbed Elbows is available in White Nylon, Natural Polypropylene, and White ABS. The available barb sizes are 1/16 inch, 3/32 inch, and 1/8 inch.

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SKU	Description
L-W-332	3/32 Barb Precision Elbow Connector
L-W-16	1/16 Barb Precision Elbow Connector
L-W-18	1/8 Barb Precision Elbow Connector

## L-IG SERIES



The L-IG Series are multi-barbed elbows made of Black and White Nylon and Gray Polypropylene. The ports are 1/16 inch and 1/8 inch. The maximum working pressure is 125 psi and the temperature ranges are: Nylon -50° F to 180° F; Polypropylene -40° F to 200° F.

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SKU	Description
L-IG-1B-BN	1/16 inch Black Nylon Multi-Barbed Elbow
L-IG-1B-GPP	1/16 inch Gray Polypropylene Multi-Barbed Elbow
L-IG-1B-WN	1/16 inch White Nylon Multi-Barbed Elbow
L-IG-2B-BN	1/8 inch Black Nylon Multi-Barbed Elbow
L-IG-2B-GPP	1/8 inch Gray Polypropylene Multi-Barbed Elbow
L-IG-2B-WN	1/8 inch White Nylon Multi-Barbed Elbow



## ACE SERIES

The ACE Series are 90° elbow adapters. Materials available include Natural and Black Nylon, Glass-Filled Black Nylon, Natural and White Polypropylene, PVDF and Gray PVDF, and High-Density Polyethylene. Available in 10-32 inch Male UNF threads, 1/4-28 inch Male UNF threads, 10-32 inch Male UNF taper threads, and in 1/16 inch MNPT. Also available in barb sizes of 1/16 inch, 3/32 inch, 5/32 inch, 1/8 inch, and 3/16 inch.

SKU	Description
ACE-101B-BN	10-32 inch Male UNF by 1/16 inch Black Nylon Barbed Elbow Adapter
ACE-101B-GFBN	10-32 inch Male UNF by 1/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-101B-GPVDF	10-32 inch Male UNF by 1/16 inch Gray PVDF Barbed Elbow Adapter
ACE-101B-HDPE	10-32 inch Male UNF by 1/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-101B-NN	10-32 inch Male UNF by 1/16 inch Natural Nylon Barbed Elbow Adapter
ACE-101B-NPP	10-32 inch Male UNF by 1/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-101B-PVDF	10-32 inch Male UNF by 1/16 inch PVDF Barbed Elbow Adapter
ACE-101B-WPP	10-32 inch Male UNF by 1/16 inch White Polypropylene Barbed Elbow Adapter
ACE-102B-BN	10-32 inch Male UNF by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-102B-GFBN	10-32 inch Male UNF by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-102B-GPVDF	10-32 inch Male UNF by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-102B-HDPE	10-32 inch Male UNF by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-102B-NN	10-32 inch Male UNF by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-102B-NPP	10-32 inch Male UNF by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-102B-PVDF	10-32 inch Male UNF by 1/8 inch PVDF Barbed Elbow Adapter
ACE-102B-WPP	10-32 inch Male UNF by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-10332B-BN	10-32 inch Male UNF by 3/32 inch Black Nylon Barbed Elbow Adapter
ACE-10332B-GFBN	10-32 inch Male UNF by 3/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter



SKU	Description
ACE-10332B-GPVDF	10-32 inch Male UNF by 3/32 inch Gray PVDF Barbed Elbow Adapter
ACE-10332B-HDPE	10-32 inch Male UNF by 3/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10332B-NN	10-32 inch Male UNF by 3/32 inch Natural Nylon Barbed Elbow Adapter
ACE-10332B-NPP	10-32 inch Male UNF by 3/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10332B-PVDF	10-32 inch Male UNF by 3/32 inch PVDF Barbed Elbow Adapter
ACE-10332B-WPP	10-32 inch Male UNF by 3/32 inch White Polypropylene Barbed Elbow Adapter
ACE-10532B-BN	10-32 inch Male UNF by 5/32 inch Black Nylon Barbed Elbow Adapter
ACE-10532B-GFBN	10-32 inch Male UNF by 5/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10532B-GPVDF	10-32 inch Male UNF by 5/32 inch Gray PVDF Barbed Elbow Adapter
ACE-10532B-HDPE	10-32 inch Male UNF by 5/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10532B-NN	10-32 inch Male UNF by 5/32 inch Natural Nylon Barbed Elbow Adapter
ACE-10532B-NPP	10-32 inch Male UNF by 5/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10532B-PVDF	10-32 inch Male UNF by 5/32 inch PVDF Barbed Elbow Adapter
ACE-10532B-WPP	10-32 inch Male UNF by 5/32 inch White Polypropylene Barbed Elbow Adapter
ACE-10T1B-BN	10-32 inch Male UNF Taper by 1/16 inch Black Nylon Barbed Elbow Adapter
ACE-10T1B-GFBN	10-32 inch Male UNF Taper by 1/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10T1B-GPVDF	10-32 inch Male UNF Taper by 1/16 inch Gray PVDF Barbed Elbow Adapter
ACE-10T1B-HDPE	10-32 inch Male UNF Taper by 1/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10T1B-NN	10-32 inch Male UNF Taper by 1/16 inch Natural Nylon Barbed Elbow Adapter
ACE-10T1B-NPP	10-32 inch Male UNF Taper by 1/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10T1B-PVDF	10-32 inch Male UNF Taper by 1/16 inch PVDF Barbed Elbow Adapter
ACE-10T1B-WPP	10-32 inch Male UNF Taper by 1/16 inch White Polypropylene Barbed Elbow Adapter
ACE-10T2B-BN	10-32 inch Male UNF Taper by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-10T2B-GFBN	10-32 inch Male UNF Taper by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-10T2B-GPVDF	10-32 inch Male UNF Taper by 1/8 inch Gray PVDF Barbed Elbow Adapter

SKU	Description
ACE-10T2B-HDPE	10-32 inch Male UNF Taper by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10T2B-NN	10-32 inch Male UNF Taper by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-10T2B-NPP	10-32 inch Male UNF Taper by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10T2B-PVDF	10-32 inch Male UNF Taper by 1/8 inch PVDF Barbed Elbow Adapter
ACE-10T2B-WPP	10-32 inch Male UNF Taper by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-10T332B-BN	10-32 inch Male UNF Taper by 3/32 inch Black Nylon Barbed Elbow Adapter
ACE-10T332B-GFBN	10-32 inch Male UNF Taper by 3/32 inch Glass-Filled Black Nylon Barbed Elbow
ACE-10T332B-GPVDF	10-32 inch Male UNF Taper by 3/32 inch Gray PVDF Barbed Elbow Adapter
ACE-10T332B-HDPE	10-32 inch Male UNF Taper by 3/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-10T332B-NN	10-32 inch Male UNF Taper by 3/32 inch Natural Nylon Barbed Elbow Adapter
ACE-10T332B-NPP	10-32 inch Male UNF Taper by 3/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-10T332B-PVDF	10-32 inch Male UNF Taper by 3/32 inch PVDF Barbed Elbow Adapter
ACE-10T332B-WPP	10-32 inch Male UNF Taper by 3/32 inch White Polypropylene Barbed Elbow Adapter
ACE-142B-BN	14-28 inch Male UNF by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-142B-GFBN	14-28 inch Male UNF by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-142B-GPVDF	14-28 inch Male UNF by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-142B-HDPE	14-28 inch Male UNF by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-142B-NN	14-28 inch Male UNF by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-142B-NPP	14-28 inch Male UNF by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-142B-PVDF	14-28 inch Male UNF by 1/8 inch PVDF Barbed Elbow Adapter
ACE-142B-WPP	14-28 inch Male UNF by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-143B-BN	1/4-28 inch Male UNF by 3/16 inch Black Nylon Barbed Elbow Adapter
ACE-143B-GFBN	1/4-28 inch Male UNF by 3/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-143B-GPVDF	1/4-28 inch Male UNF by 3/16 inch Gray PVDF Barbed Elbow Adapter

SKU	Description
ACE-143B-HDPE	1/4-28 inch Male UNF by 3/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-143B-NN	1/4-28 inch Male UNF by 3/16 inch Natural Nylon Barbed Elbow Adapter
ACE-143B-NPP	1/4-28 inch Male UNF by 3/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-143B-PVDF	1/4-28 inch Male UNF by 3/16 inch PVDF Barbed Elbow Adapter
ACE-143B-WPP	1/4-28 inch Male UNF by 3/16 inch White Polypropylene Barbed Elbow Adapter
ACE-1M1B-BN	1/16 inch MNPT by 1/16 inch Black Nylon Barbed Elbow Adapter
ACE-1M1B-GFBN	1/16 inch MNPT by 1/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M1B-GPVDF	1/16 inch MNPT by 1/16 inch Gray PVDF Barbed Elbow Adapter
ACE-1M1B-HDPE	1/16 inch MNPT by 1/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M1B-NN	1/16 inch MNPT by 1/16 inch Natural Nylon Barbed Elbow Adapter
ACE-1M1B-NPP	1/16 inch MNPT by 1/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M1B-PVDF	1/16 inch MNPT by 1/16 inch PVDF Barbed Elbow Adapter
ACE-1M1B-WPP	1/16 inch MNPT by 1/16 inch White Polypropylene Barbed Elbow Adapter
ACE-1M2B-BN	1/16 inch MNPT by 1/8 inch Black Nylon Barbed Elbow Adapter
ACE-1M2B-GFBN	1/16 inch MNPT by 1/8 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M2B-GPVDF	1/16 inch MNPT by 1/8 inch Gray PVDF Barbed Elbow Adapter
ACE-1M2B-HDPE	1/16 inch MNPT by 1/8 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M2B-NN	1/16 inch MNPT by 1/8 inch Natural Nylon Barbed Elbow Adapter
ACE-1M2B-NPP	1/16 inch MNPT by 1/8 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M2B-PVDF	1/16 inch MNPT by 1/8 inch PVDF Barbed Elbow Adapter
ACE-1M2B-WPP	1/16 inch MNPT by 1/8 inch White Polypropylene Barbed Elbow Adapter
ACE-1M332B-BN	1/16 inch MNPT by 3/32 inch Black Nylon Barbed Elbow Adapter
ACE-1M332B-GFBN	1/16 inch MNPT by 3/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M332B-GPVDF	1/16 inch MNPT by 3/32 inch Gray PVDF Barbed Elbow Adapter
ACE-1M332B-HDPE	1/16 inch MNPT by 3/32 inch High-Density Polyethylene Barbed Elbow Adapter

SKU	Description
ACE-1M332B-NN	1/16 inch MNPT by 3/32 inch Natural Nylon Barbed Elbow Adapter
ACE-1M332B-NPP	1/16 inch MNPT by 3/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M332B-PVDF	1/16 inch MNPT by 3/32 inch PVDF Barbed Elbow Adapter
ACE-1M332B-WPP	1/16 inch MNPT by 3/32 inch White Polypropylene Barbed Elbow Adapter
ACE-1M3B-BN	1/16 inch MNPT by 3/16 inch Black Nylon Barbed Elbow Adapter
ACE-1M3B-GFBN	1/16 inch MNPT by 3/16 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M3B-GPVDF	1/16 inch MNPT by 3/16 inch Gray PVDF Barbed Elbow Adapter
ACE-1M3B-HDPE	1/16 inch MNPT by 3/16 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M3B-NK	1/16 inch MNPT by 3/16 inch PVDF Barbed Elbow Adapter
ACE-1M3B-NN	1/16 inch MNPT by 3/16 inch Natural Nylon Barbed Elbow Adapter
ACE-1M3B-NPP	1/16 inch MNPT by 3/16 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M3B-WPP	1/16 inch MNPT by 3/16 inch White Polypropylene Barbed Elbow Adapter
ACE-1M532B-BN	1/16 inch MNPT by 5/32 inch Black Nylon Barbed Elbow Adapter
ACE-1M532B-GFBN	1/16 inch MNPT by 5/32 inch Glass-Filled Black Nylon Barbed Elbow Adapter
ACE-1M532B-GPVDF	1/16 inch MNPT by 5/32 inch Gray PVDF Barbed Elbow Adapter
ACE-1M532B-HDPE	1/16 inch MNPT by 5/32 inch High-Density Polyethylene Barbed Elbow Adapter
ACE-1M532B-NN	1/16 inch MNPT by 5/32 inch Natural Nylon Barbed Elbow Adapter
ACE-1M532B-NPP	1/16 inch MNPT by 5/32 inch Natural Polypropylene Barbed Elbow Adapter
ACE-1M532B-PVDF	1/16 inch MNPT by 5/32 inch PVDF Barbed Elbow Adapter
ACE-1M532B-WPP	1/16 inch MNPT by 5/32 inch White Polypropylene Barbed Elbow Adapter

## L-R CONNECTOR SERIES



The L-R Series is a standard, single barbed Elbow connector made of Natural and Black Nylon, Gray PVDF, and NSF 51/61 certified Polyethylene. It is also available in high-density Polyethylene, Natural and White Polypropylene, and Glass-Filled Black Nylon. This elbow is available in equal barbs as well as in a reducing configuration. Equal barb sizes are 1/8 inch, 3/32 inch, 3/16 inch, 1/4 inch, 5/32 inch, 5/16 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, and 1 inch. Reducing sizes are 5/16 inch by 1/4 inch and 1/2 inch by 3/8 inch.

SKU	Description
L-R-2B	1/8 Barb Elbow
L-R-332B	3/32 Barb Elbow
L-R-3B	3/16 Barb Elbow
L-R-4B	1/4 Barb Elbow
L-R-532B	5/32 Barb Elbow
L-R-5B	5/16 Barb Elbow
L-R-6B	3/8 Barb Elbow
L-R-8B	1/2 Barb Elbow
L-R-10B	5/8 Barb Elbow
L-R-12B	3/4 Barb Elbow
L-R-16B	1 inch Barb Elbow
L-R-5B4B	5/16 by 1/4 Barb Elbow Reducer
L-R-8B6B	1/2 by 3/8 Barb Elbow Reducer



## FLL UNF SERIES

The FLL series female luers have an integrated filter, making them ideal for filtration applications. The nylon bodies and nylon filters are available in various micron ratings: 10, 30, 48, 70, 100, 140, and 190 microns. This range allows for flexibility in filtration needs, making them suitable for various applications. Polypropylene bodies with Polypropylene filters of 105 or 150 microns are available. These filters come in UNF sizes of 10-32 inch or 1/4-28 inch.

SKU	Description
FLL-14-NK	Female Luer Lock by 1/4-28 UNF PVDF
FLL-14-PP	Female Luer Lock by 1/4-28 UNF Polypropylene
FLL-14-WN	Female Luer Lock by 1/4-28 UNF White Nylon
FLL-14-PC	Female Luer Lock by 1/4-28 UNF Polycarbonate
FLL-1032-K-70N	Female Luer Lock by 10-32 UNF PVDF 70 Micron Nylon
FLL-1032-N-10N	Female Luer Lock by 10-32 UNF Nylon 10 Micron Nylon
FLL-1032-PP-105N	Female Luer Lock by 10-32 UNF Polypropylene 105 Micron Nylon
FLL-18-NK	Female Luer Lock by 1/8 MNPT
FLL-316-NK	Female Luer Lock by 3/16 MNPT

## MGHM-S SERIES



Male garden hose by male pipe thread of Nylon or Black Polypropylene. Sizes available are 3/8", 1/2", 3/4".

SKU	Description
MGHM-S-12M	Male GHT by 3/4 Male Pipe
MGHM-S-6M	Male GHT by 3/8 Male Pipe
MGHM-S-8M	Male GHT by 1/2 Male Pipe

## C-U SERIES- BARB FITTING



The C-U series is the ultimate high-flow single barb fitting for soft plastic tubing. The barb will expand the tubing up to 40%. This series is available as an equal or reducing fitting. Sizes ranging from 1/16 inch to 1 inch are available. Optional materials include Natural Nylon, Black Nylon, White Nylon, Polycarbonate, Polypropylene, and PVDF.

SKU	Description
C-U-2B	1/8 Barb Connector
C-U-3B	3/16 Barb Connector
C-U-4B	1/4 Barb Connector
C-U-532B	5/32 Barb Connector
C-U-5B	5/16 Barb Connector
C-U-6B	3/8 Barb Connector
C-U-8B	1/2 Barb Connector
C-U-10B	5/8 Barb Connector
C-U-12B	3/4 Barb Connector
C-U-16B	1 inch Barb Connector
C-U-2B1B	1/8 Barb by 1/16 Barb Reducer
C-U-2B332B	1/8 Barb by 3/32 Barb Reducer
C-U-3B2B	3/16 Barb by 1/8 Barb Reducer
C-U-3B332B	3/16 Barb by 3/32 Barb Reducer
C-U-3B532B	3/16 Barb by 5/32 Barb Reducer
C-U-4B2B	1/4 Barb by 1/8 Barb Reducer
C-U-4B3B	1/4 Barb by 3/16 Barb Reducer
C-U-4B532B	1/4 Barb by 5/32 Barb Reducer
C-U-532B1B	5/32 Barb by 1/16 Barb Reducer
C-U-5B3B	5/16 Barb by 3/16 Barb Reducer
C-U-5B4B	5/16 Barb by 1/4 Barb Reducer
C-U-5B532B	5/16 Barb by 5/32 Barb Reducer
C-U-6B2B	3/8 Barb by 1/8 Barb Reducer
C-U-6B4B	3/8 Barb by 1/4 Barb Reducer
C-U-8B4B	1/2 Barb by 1/4 Barb Reducer
C-U-8B6B	1/2 Barb by 3/8 Barb Reducer
C-U-10B4B	5/8 Barb by 1/4 Barb Reducer
C-U-12B8B	3/4 Barb by 1/2 Barb Reducer
C-U-16B12B	1 inch Barb by 3/4 inch Barb Reducer

## MGH SERIES



Male garden hose by male garden hose connector. Standard materials are Nylon or Black Polypropylene.

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SKU	Description
MGH	Male Garden Hose by Male Garden Hose

## FGHF SERIES



Standard garden hose adapter is available in both Nylon and Black Polypropylene. This product is FGH adapter to 1/2 FNPT or 3/4 FNPT options.

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SKU	Description
FGHF-12F	Female GH Adapter to 1/2 FNPT Pipe
FGHF-8F	Female GH Adapter to 1/2 FNPT Pipe Nylon
FGHF-8F-BKPP	Female GH Adapter to 1/2 FNPT Black Polypropylene
FGHF-8F-PP	Female GH Adapter to 1/2 FNPT Polypropylene





## Y-T SERIES

Y-T Series is a multi-barbed Wye connector and is available in Nylon and Black Polypropylene. This connector comes in three different equal barb sizes: 1/4 inch, 3/8 inch, and 1/2 inch.

SKU	Description
Y-T-4B-BPP	1/4 inch Multi-Barbed Black Polypropylene Wye Connector
Y-T-4B-NN	1/4 inch Multi-Barbed Natural Nylon Wye Connector
Y-T-6B-BPP	3/8 inch Multi-Barbed Black Polypropylene Wye Connector
Y-T-6B-NN	3/8 inch Multi-Barbed Natural Nylon Wye Connector
Y-T-8B-BPP	1/2 inch Multi-Barbed Black Polypropylene Wye Connector
Y-T-8B-NN	1/2 inch Multi-Barbed Natural Nylon Wye Connector



## RV SERIES

The RV Series inline Strainer filter is made of a flexible PVC housing with a 304 Stainless Steel 40 mesh screen (standard). Some sizes also have 20, 80, and 100 mesh screens available. This series comes in FNPT threads of 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. The maximum operating temperature is 160° F. Made for male pipe threads.

SKU	Description
RV-4F-20	1/4 inch FNPT 304 Stainless Steel Screen 20 Mesh PVC Filter
RV-4F-40	1/4 inch FNPT 304 Stainless Steel Screen 40 Mesh PVC Filter
RV-4F-80	1/4 inch FNPT 304 Stainless Steel Screen 80 Mesh PVC Filter
RV-6F-40	3/8 inch FNPT 304 Stainless Steel Screen 40 Mesh PVC Filter
RV-8F-80	1/2 FNPT PVC 304 Screen 80 Mesh
RV-8F	1/2 FNPT 40
RV-12F	3/4 FNPT 40
RV-1F	1 inch FNPT 40



## AM SERIES

AM Series is an MNPT with a triple-barbed adapter. It is molded of NSF listed Natural Nylon or NSF listed Black Polyethylene. Optional materials are: Black Nylon, PVC, FDA listed Natural Polypropylene, and FDA listed Black Polypropylene. The MNPT thread sizes available are 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, 1 inch, 1-1/4 inch, 1-1/2 inch, and 2 inches. The barb sizes are 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, 5/32 inch, 1 inch, 1-1/4 inch, and 1-1/2 inch. Barbed fittings over one inch are not offered in Polyethylene. The temperature range is -40° F to 200° F and the maximum working pressure is 125 psi.

SKU	Description
AM-2M532B	Adapter 1/8 MNPT 5/32 Barb
AM-2M3B	Adapter 1/8 MNPT 3/16 Barb
AM-2M4B	Adapter 1/8 MNPT 1/4 Barb
AM-2M5B	Adapter 1/8 MNPT 5/16 Barb
AM-2M6B	Adapter 1/8 MNPT 3/8 Barb
AM-2M8B	Adapter 1/8 MNPT 1/2 Barb
AM-32M32B	Adapter 2 inch MNPT 2 inch Barb
AM-4M532B	Adapter 1/4 MNPT by 5/32 Barb
AM-4M3B	Adapter 1/4 MNPT 3/16 Barb
AM-4M4B	Adapter 1/4 MNPT 1/4 Barb
AM-4M5B	Adapter 1/4 MNPT 5/16 Barb
AM-4M6B	Adapter 1/4 MNPT 3/8 Barb
AM-4M8B	Adapter 1/4 MNPT 1/2 Barb
AM-6M4B	Adapter 3/8 MNPT 1/4 Barb
AM-6M5B	Adapter 3/8 MNPT 5/16 Barb
AM-6M6B	Adapter 3/8 MNPT 3/8 Barb
AM-6M8B	Adapter 3/8 MNPT 1/2 Barb
AM-6M10B	Adapter 3/8 MNPT 5/8 Barb
AM-8M3B	Adapter 1/2 MNPT 3/16 Barb
AM-8M4B	Adapter 1/2 MNPT 1/4 Barb
AM-8M6B	Adapter 1/2 MNPT 3/8 Barb
AM-8M8B	Adapter 1/2 MNPT 1/2 Barb
AM-8M10B	Adapter 1/2 MNPT 5/8 Barb
AM-8M12B	Adapter 1/2 MNPT 3/4 Barb
AM-8M16B	Adapter 1/2 MNPT 1 inch Barb
AM-12M4B	Adapter 3/4 MNPT 1/4 Barb
AM-12M6B	Adapter 3/4 MNPT 3/8 Barb
AM-12M8B	Adapter 3/4 MNPT 1/2 Barb
AM-12M10B	Adapter 3/4 MNPT 5/8 Barb
AM-12M12B	Adapter 3/4 MNPT 3/4 Barb
AM-12M16B	Adapter 3/4 MNPT 1 inch Barb

SKU	Description
AM-16M8B	Adapter 1 inch MNPT by 1/2 inch Barb
AM-16M12B	Adapter 1 inch MNPT 3/4 Barb
AM-16M16B	Adapter 1 inch MNPT 1 inch Barb
AM-16M20B	Adapter 1 inch MNPT 1-1/4 inch Barb
AM-16M24B	Adapter 1 inch MNPT 1-1/2 inch Barb
AM-20M12B	Adapter 1-1/4 inch MNPT 3/4 Barb
AM-20M16B	Adapter 1-1/4 inch MNPT 1 inch Barb
AM-20M20B	Adapter 1-1/4 inch MNPT 1-1/4 Barb
AM-20M24B	Adapter 1-1/4 inch MNPT 1-1/2 inch Barb
AM-24M12B	Adapter 1-1/2 inch MNPT 3/4 Barb
AM-24M16B	Adapter 1-1/2 inch MNPT 1 inch Barb
AM-24M20B	Adapter 1-1/2 inch MNPT 1-1/4 inch Barb
AM-24M24B	Adapter 1-1/2 inch MNPT 1-1/2 inch Barb
AM-24M32B	Adapter 1-1/2 inch MNPT by 2 inch Barb

## MGHB-S SERIES



Male garden hose by barb connector. Barb sizes available 3/8", 1/2" and 3/4". It is made of Nylon and Black Polypropylene.

SKU	Description
MGHB-S-12B	MGT to 3/4 Barb
MGHB-S-6B	MGT to 3/8 Barb
MGHB-S-8B	MGT to 1/2 Barb

## LGH SERIES



The LGH Series is a Two-way Ball Valve. It has an operating pressure of 150 psi, and a working temperature of up to 140° F. Available in variations of Female and Male GHT, and Female and Male NPT with combinations of these sizes: 3/8 inch, 1/2 inch, and 3/4 inch; all with a .625 through hole. Materials available are Gray PVC and Polypropylene. The PVC and Polypropylene materials are used for chemical resistance applications and are NSF Standard 61 Certified. PVC with EPDM seals are standard. Other seal options are Buna-N and Viton®. Panel Mounts are not available.

SKU	Description
LGH-34F12M	3/4 FNPT by 1/2 MNPT Ball Valve
LGH-34F34MGH	3/4 FNPT by 3/4 MGH Ball Valve
LGH-34F6B	3/4 FNPT by 3/8 Barb Ball Valve
LGH-34F-B	3/4 FNPT by 3/4 FNPT PVC/Buna Ball Valve
LGH-34FF	3/4 FNPT by 3/4 FNPT Ball Valve
LGH-34FGH34F	3/4 FGH by 3/4 FNPT Ball Valve
LGH-34FGH34M	3/4 FGH by 3/4 MNPT Ball Valve
LGH-34FGH6B	3/4 FGH by 3/8 Barb Ball Valve
LGH-34FGH8M	3/4 FGH by 1/2 MNPT Ball Valve
LGH-34FGHMGH	3/4 FGH by 3/4 MGH Ball Valve
LGH-34FM	3/4 FNPT by 3/4 MNPT Ball Valve
LGH-34FM-E	3/4 FNPT to 3/4 MNPT PVC/EPDM Ball Valve
LGH-34FM-PP-E	3/4 FNPT to 3/4 MNPT Bk Polypropylene/EPDM Ball Valve

## GHBV SERIES



Single garden hose shutoff has an ABS body, ball, and handle. It has a Zinc plated steel screw and Buna-N seal. It flows from female to male. Maximum pressure is 80 psi, designed for water pressure. Maximum temperature is 125° F. Available in blue, green, or yellow.

SKU	Description
GHBV	MGH by FGH Shut Off

## GHW SERIES



The GHW Series is a standard garden hose washer. This series is available in either Uniprene or PVC.

SKU	Description
GHW-PVC	3/4 inch PVC Garden Hose Washer
GHW-UNI	3/4 inch Uniprene Garden Hose Washer

## MTM SERIES



The MTM Series Muffler Breather is made of Glass-Filled Nylon. This series is available in 1/8 inch and 1/4 inch MNPT threads, both with a 10-micron element.

SKU	Description
MTM-2-M	1/8 inch MNPT 10 Micron Glass Filled Nylon Muffler
MTM-14-10	1/4 inch MNPT 10 Micron Glass Filled Nylon Muffler



## AFL SERIES

AFL Series is an FNPT by a triple barb elbow, and is molded of NSF-listed Natural Nylon or FDA listed Black Polypropylene. FNPT sizes are 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, and 3/4 inch. Barb sizes are 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, and 3/4 inch. The working pressure for both materials is 150 psi. These adapters should not be used for compressed gasses.

SKU	DESCRIPTION
AFL-2F4B	1/8 FNPT by 1/4 Barb Elbow Adapter
AFL-2F6B	1/8 FNPT by 3/8 Barb Elbow Adapter
AFL-4F4B	1/4 FNPT by 1/4 Barb Elbow Adapter
AFL-4F6B	1/4 FNPT by 3/8 Barb Elbow Adapter
AFL-4F8B	1/4 FNPT by 1/2 Barb Elbow Adapter
AFL-6F10B	3/8 FNPT by 5/8 Barb Elbow Adapter
AFL-6F4B	3/8 FNPT by 1/4 Barb Elbow Adapter
AFL-6F6B	3/8 FNPT by 3/8 Barb Elbow Adapter
AFL-6F8B	3/8 FNPT by 1/2 Barb Elbow Adapter
AFL-8F10B	1/2 FNPT by 5/8 Barb Elbow Adapter
AFL-8F4B	1/2 FNPT by 1/4 Barb Elbow Adapter
AFL-8F6B	1/2 FNPT by 3/8 Barb Elbow Adapter
AFL-8F8B	1/2 FNPT by 1/2 Barb Elbow Adapter



## CMPM SERIES

The CMPM Series is a plastic muffler with a molded acetal body and provides efficient noise reduction and filtering. The MNPT sizes available are 1/8 inch, 1/4 inch, 1/2 inch, and 3/8 inch. The 1/4 inch unit can be modified to 1/8 inch FNPT or FNPS threads.

SKU	Description
CMPM-2	1/8 inch MNPT Acetal Filled Muffler
CMPM-4	1/4 inch MNPT Acetal Filled Muffler
CMPM-6	3/8 inch MNPT Acetal Filled Muffler



## PTV SERIES

The PTV Series is a Polyethylene breather with a 60-micron Polypropylene filter. The maximum pressure for this unit is 100 psi and the maximum temperature is 150° F. MNPT sizes are 1/8 inch, 1/4 inch, 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. These breathers can be cleaned with mineral spirits.

SKU	Description
PTV-2M	1/8 Polyethylene Breather with 60 Micron Filter
PTV-4M	1/4 Polyethylene Breather with 60 Micron Filter



## GHN SERIES- GARDEN HOSE NUT

Female 3/4" NPT garden hose nut designed for hose barb stems. Constructed from standard Nylon or Black Polypropylene.

SKU	Description
GHN	3/4 inch FGH Nut with .820 inch Through Hole



## L SERIES

The L Series are standard triple-barbed connectors 90 degree L offered in both equal and reducing sizes. These elbow connectors are molded of Natural Nylon, Polyethylene, and Black Polypropylene. Equal sizes are 1/4 inch, 5/16 inch, 3/8 inch, 1/2 inch, 5/8 inch, 3/4 inch, 1 inch, 1-1/4 inch, and 1-1/2 inch. Reducing sizes are 1/2 inch by 1/4 inch and 1/2 inch by 3/8 inch. Barbed fittings over 1 inch are not offered in Polyethylene.

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## AML SERIES

AML Series are MNPT by triple barbed elbows. This elbow is molded of NSF listed Natural Nylon or Black Polyethylene. Barbed fittings over one inch are not offered in Polyethylene. Optional materials include Black Nylon, FDA listed Natural Polypropylene, and FDA listed Black Polypropylene. Combinations of these sizes are available: 1/8-inch, 3/16-inch, 1/4-inch, 5/16-inch, 3/8-inch, 1/2-inch, 5/8-inch, 3/4-inch, 1 inch, 1-1/4 inch, and 1-1/2 inch. Fittings over 1 inch are not available in Polyethylene.

SKU	Description
AML-6M10B-NN	3/8 inch MNPT by 5/8 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-6M10B-BPE	3/8 inch MNPT by 5/8 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-6M10B-NPP	3/8 inch MNPT by 5/8 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-6M10B-BPP	3/8 inch MNPT by 5/8 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-6M10B-BN	3/8 inch MNPT by 5/8 inch Black Nylon Triple Barbed Adapter Elbow
AML-6M6B-NN	3/8 inch MNPT by 3/8 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-6M6B-BPE	3/8 inch MNPT by 3/8 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-6M6B-NPP	3/8 inch MNPT by 3/8 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-6M6B-BPP	3/8 inch MNPT by 3/8 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-6M6B-BN	3/8 inch MNPT by 3/8 inch Black Nylon Triple Barbed Adapter Elbow
AML-6M4B-NN	3/8 inch MNPT by 1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-6M4B-BPE	3/8 inch MNPT by 1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-6M4B-NPP	3/8 inch MNPT by 1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-6M4B-BPP	3/8 inch MNPT by 1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-6M4B-BN	3/8 inch MNPT by 1/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-6M8B-NN	3/8 inch MNPT by 1/2 inch NSF Natural Nylon Triple Barbed Adapter Elbow

SKU	Description
AML-6M8B-BPE	3/8 inch MNPT by 1/2 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-6M8B-NPP	3/8 inch MNPT by 1/2 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-6M8B-BPP	3/8 inch MNPT by 1/2 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-6M8B-BN	3/8 inch MNPT by 1/2 inch Black Nylon Triple Barbed Adapter Elbow
AML-12M10B-NN	3/4 inch MNPT by 5/8 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-12M10B-BPE	3/4 inch MNPT by 5/8 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-12M10B-NPP	3/4 inch MNPT by 5/8 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-12M10B-BPP	3/4 inch MNPT by 5/8 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-12M10B-BN	3/4 inch MNPT by 5/8 inch Black Nylon Triple Barbed Adapter Elbow
AML-12M6LB-NN	3/4 inch MNPT by 3/8 inch NSF Natural Nylon Long Triple Barbed Adapter Elbow
AML-12M6LB-BPE	3/4 inch MNPT by 3/8 inch NSF Black Polyethylene Long Triple Barbed Adapter Elbow
AML-12M6LB-NPP	3/4 inch MNPT by 3/8 inch FDA Natural Polypropylene Long Triple Barbed Adapter Elbow
AML-12M6LB-BPP	3/4 inch MNPT by 3/8 inch FDA Black Polypropylene Long Triple Barbed Adapter Elbow
AML-12M6LB-BN	3/4 inch MNPT by 3/8 inch Black Nylon Long Triple Barbed Adapter Elbow
AML-12M12B-NN	3/4 inch MNPT by 3/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-12M12B-BPE	3/4 inch MNPT by 3/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-12M12B-NPP	3/4 inch MNPT by 3/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-12M12B-BPP	3/4 inch MNPT by 3/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-12M12B-BN	3/4 inch MNPT by 3/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-12M16B-NN	3/4 inch MNPT by 1 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-12M16B-BPE	3/4 inch MNPT by 1 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-12M16B-NPP	3/4 inch MNPT by 1 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-12M16B-BPP	3/4 inch MNPT by 1 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-12M16B-BN	3/4 inch MNPT by 1 inch Black Nylon Triple Barbed Adapter Elbow

SKU	Description
AML-12M4B-NN	3/4 inch MNPT by 1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-12M4B-BPE	3/4 inch MNPT by 1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-12M4B-NPP	3/4 inch MNPT by 1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-12M4B-BPP	3/4 inch MNPT by 1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-12M4B-BN	3/4 inch MNPT by 1/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-12M8B-PVDF	3/4 inch MNPT by 1/2 inch PVDF Short Triple Barbed Adapter Elbow
AML-12M8B-NN	3/4 inch MNPT by 1/2 inch NSF Natural Nylon Short Triple Barbed Adapter Elbow
AML-12M8LB-NN	3/4 inch MNPT by 1/2 inch NSF Natural Nylon Long Triple Barbed Adapter Elbow
AML-12M8B-BPE	3/4 inch MNPT by 1/2 inch NSF Black Polyethylene Short Triple Barbed Adapter Elbow
AML-12M8LB-BPE	3/4 inch MNPT by 1/2 inch NSF Black Polyethylene Long Triple Barbed Adapter Elbow
AML-12M8B-NPP	3/4 inch MNPT by 1/2 inch FDA Natural Polypropylene Short Triple Barbed Adapter Elbow
AML-12M8LB-NPP	3/4 inch MNPT by 1/2 inch FDA Natural Polypropylene Long Triple Barbed Adapter Elbow
AML-12M8B-BPP	3/4 inch MNPT by 1/2 inch FDA Black Polypropylene Short Triple Barbed Adapter Elbow
AML-12M8LB-BPP	3/4 inch MNPT by 1/2 inch FDA Black Polypropylene Long Triple Barbed Adapter Elbow
AML-12M8B-BN	3/4 inch MNPT by 1/2 inch Black Nylon Short Triple Barbed Adapter Elbow
AML-12M8LB-BN	3/4 inch MNPT by 1/2 inch Black Nylon Long Triple Barbed Adapter Elbow
AML-16M12B-NN	1 inch MNPT by 3/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-16M12B-BPE	1 inch MNPT by 3/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-16M12B-NPP	1 inch MNPT by 3/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-16M12B-BPP	1 inch MNPT by 3/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-16M12B-BN	1 inch MNPT by 3/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-16M16B-NN	1 inch MNPT by 1 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-16M16B-BPE	1 inch MNPT by 1 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-16M16B-NPP	1 inch MNPT by 1 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow

SKU	Description
AML-16M16B-BPP	1 inch MNPT by 1 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-16M16B-BN	1 inch MNPT by 1 inch Black Nylon Triple Barbed Adapter Elbow
AML-16M8B-NN	1 inch MNPT by 1/2 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-16M8B-BPE	1 inch MNPT by 1/2 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-16M8B-NPP	1 inch MNPT by 1/2 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-16M8B-BPP	1 inch MNPT by 1/2 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-16M8B-BN	1 inch MNPT by 1/2 inch Black Nylon Triple Barbed Adapter Elbow
AML-2M5B-NN	1/8 inch MNPT by 5/16 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-2M5B-BPE	1/8 inch MNPT by 5/16 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-2M5B-NPP	1/8 inch MNPT by 5/16 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-2M5B-BPP	1/8 inch MNPT by 5/16 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-2M5B-BN	1/8 inch MNPT by 5/16 inch Black Nylon Triple Barbed Adapter Elbow
AML-2M3B-NN	1/8 inch MNPT by 3/16 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-2M3B-BPE	1/8 inch MNPT by 3/16 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-2M3B-NPP	1/8 inch MNPT by 3/16 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-2M3B-BPP	1/8 inch MNPT by 3/16 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-2M3B-BN	1/8 inch MNPT by 3/16 inch Black Nylon Triple Barbed Adapter Elbow
AML-2M6B-NN	1/8 inch MNPT by 3/8 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-2M6B-BPE	1/8 inch MNPT by 3/8 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-2M6B-NPP	1/8 inch MNPT by 3/8 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-2M6B-BPP	1/8 inch MNPT by 3/8 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-2M6B-BN	1/8 inch MNPT by 3/8 inch Black Nylon Triple Barbed Adapter Elbow
AML-2M4B-NN	1/8 inch MNPT by 1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-2M4B-BPE	1/8 inch MNPT by 1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-2M4B-NPP	1/8 inch MNPT by 1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow

SKU	Description
AML-2M4B-BPP	1/8 inch MNPT by 1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-2M4B-BN	1/8 inch MNPT by 1/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-4M5B-NN	1/4 inch MNPT by 5/16 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-4M5B-BPE	1/4 inch MNPT by 5/16 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-4M5B-NPP	1/4 inch MNPT by 5/16 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-4M5B-BPP	1/4 inch MNPT by 5/16 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-4M5B-BN	1/4 inch MNPT by 5/16 inch Black Nylon Triple Barbed Adapter Elbow
AML-4M3B-NN	1/4 inch MNPT by 3/16 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-4M3B-BPE	1/4 inch MNPT by 3/16 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-4M3B-NPP	1/4 inch MNPT by 3/16 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-4M3B-BPP	1/4 inch MNPT by 3/16 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-4M3B-BN	1/4 inch MNPT by 3/16 inch Black Nylon Triple Barbed Adapter Elbow
AML-4M6B-NN	1/4 inch MNPT by 3/8 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-4M6B-BPE	1/4 inch MNPT by 3/8 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-4M6B-NPP	1/4 inch MNPT by 3/8 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-4M6B-BPP	1/4 inch MNPT by 3/8 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-4M6B-BN	1/4 inch MNPT by 3/8 inch Black Nylon Triple Barbed Adapter Elbow
AML-4M4B-NN	1/4 inch MNPT by 1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-4M4B-BPE	1/4 inch MNPT by 1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-4M4B-NPP	1/4 inch MNPT by 1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-4M4B-BPP	1/4 inch MNPT by 1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-4M4B-BN	1/4 inch MNPT by 1/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-4M8B-NN	1/4 inch MNPT by 1/2 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-4M8B-BPE	1/4 inch MNPT by 1/2 inch NSF Black Polyethylene Triple Barbed Adapter Elbow

SKU	Description
AML-4M8B-NPP	1/4 inch MNPT by 1/2 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-4M8B-BPP	1/4 inch MNPT by 1/2 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-4M8B-BN	1/4 inch MNPT by 1/2 inch Black Nylon Triple Barbed Adapter Elbow
AML-8M10LB-NN	1/2 inch MNPT by 5/8 inch NSF Natural Nylon Long Triple Barbed Adapter Elbow
AML-8M10LB-BPE	1/2 inch MNPT by 5/8 inch NSF Black Polyethylene Long Triple Barbed Adapter Elbow
AML-8M10LB-NPP	1/2 inch MNPT by 5/8 inch FDA Natural Polypropylene Long Triple Barbed Adapter Elbow
AML-8M10LB-BPP	1/2 inch MNPT by 5/8 inch FDA Black Polypropylene Long Triple Barbed Adapter Elbow
AML-8M10LB-BN	1/2 inch MNPT by 5/8 inch Black Nylon Long Triple Barbed Adapter Elbow
AML-8M6B-NN	1/2 inch MNPT by 3/8 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-8M6B-BPE	1/2 inch MNPT by 3/8 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-8M6B-NPP	1/2 inch MNPT by 3/8 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-8M6B-BPP	1/2 inch MNPT by 3/8 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-8M6B-BN	1/2 inch MNPT by 3/8 inch Black Nylon Triple Barbed Adapter Elbow
AML-8M12LB-NN	1/2 inch MNPT by 3/4 inch NSF Natural Nylon Long Triple Barbed Adapter Elbow
AML-8M12LB-NPP	1/2 inch MNPT by 3/4 inch FDA Natural Polypropylene Long Triple Barbed Adapter Elbow
AML-8M12LB-BPP	1/2 inch MNPT by 3/4 inch FDA Black Polypropylene Long Triple Barbed Adapter Elbow
AML-8M12LB-BPE	1/2 inch MNPT by 3/4 inch Black Polyethylene Long Triple Barbed Adapter Elbow
AML-8M12LB-BN	1/2 inch MNPT by 3/4 inch Black Nylon Long Triple Barbed Adapter Elbow
AML-8M16B-NN	1/2 inch MNPT by 1 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-8M16B-BPE	1/2 inch MNPT by 1 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-8M16B-NPP	1/2 inch MNPT by 1 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-8M16B-BPP	1/2 inch MNPT by 1 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-8M16B-BN	1/2 inch MNPT by 1 inch Black Nylon Triple Barbed Adapter Elbow
AML-8M4B-NN	1/2 inch MNPT by 1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow

SKU	Description
AML-8M4B-BPE	1/2 inch MNPT by 1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-8M4B-NPP	1/2 inch MNPT by 1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-8M4B-BPP	1/2 inch MNPT by 1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-8M4B-BN	1/2 inch MNPT by 1/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-8M8B-NN	1/2 inch MNPT by 1/2 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-8M8B-BPE	1/2 inch MNPT by 1/2 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-8M8B-NPP	1/2 inch MNPT by 1/2 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-8M8B-BPP	1/2 inch MNPT by 1/2 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-8M8B-BN	1/2 inch MNPT by 1/2 inch Black Nylon Triple Barbed Adapter Elbow
AML-20M12B-NN	1-1/4 inch MNPT by 3/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-20M12B-BPE	1-1/4 inch MNPT by 3/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-20M12B-NPP	1-1/4 inch MNPT by 3/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-20M12B-BPP	1-1/4 inch MNPT by 3/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-20M12B-BN	1-1/4 inch MNPT by 3/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-20M16B-NN	1-1/4 inch MNPT by 1 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-20M16B-BPE	1-1/4 inch MNPT by 1 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-20M16B-NPP	1-1/4 inch MNPT by 1 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-20M16B-BPP	1-1/4 inch MNPT by 1 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-20M16B-BN	1-1/4 inch MNPT by 1 inch Black Nylon Triple Barbed Adapter Elbow
AML-20M20B-NN	1-1/4 inch MNPT by 1-1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-20M20B-BPE	1-1/4 inch MNPT by 1-1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-20M20B-NPP	1-1/4 inch MNPT by 1-1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-20M20B-BPP	1-1/4 inch MNPT by 1-1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-20M20B-BN	1-1/4 inch MNPT by 1-1/4 inch Black Nylon Triple Barbed Adapter Elbow

SKU	Description
AML-20M24B-NN	1-1/4 inch MNPT by 1-1/2 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-20M24B-BPE	1-1/4 inch MNPT by 1-1/2 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-20M24B-NPP	1-1/4 inch MNPT by 1-1/2 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-20M24B-BPP	1-1/4 inch MNPT by 1-1/2 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-20M24B-BN	1-1/4 inch MNPT by 1-1/2 inch Black Nylon Triple Barbed Adapter Elbow
AML-24M12B-NN	1-1/2 inch MNPT by 3/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-24M12B-BPE	1-1/2 inch MNPT by 3/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-24M12B-NPP	1-1/2 inch MNPT by 3/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-24M12B-BPP	1-1/2 inch MNPT by 3/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-24M12B-BN	1-1/2 inch MNPT by 3/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-24M16B-NN	1-1/2 inch MNPT by 1 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-24M16B-BPE	1-1/2 inch MNPT by 1 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-24M16B-NPP	1-1/2 inch MNPT by 1 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-24M16B-BPP	1-1/2 inch MNPT by 1 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-24M16B-BN	1-1/2 inch MNPT by 1 inch Black Nylon Triple Barbed Adapter Elbow
AML-24M20B-NN	1-1/2 inch MNPT by 1-1/4 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-24M20B-BPE	1-1/2 inch MNPT by 1-1/4 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-24M20B-NPP	1-1/2 inch MNPT by 1-1/4 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-24M20B-BPP	1-1/2 inch MNPT by 1-1/4 inch FDA Black Polypropylene Triple Barbed Adapter Elbow
AML-24M20B-BN	1-1/2 inch MNPT by 1-1/4 inch Black Nylon Triple Barbed Adapter Elbow
AML-24M24B-NN	1-1/2 inch MNPT by 1-1/2 inch NSF Natural Nylon Triple Barbed Adapter Elbow
AML-24M24B-BPE	1-1/2 inch MNPT by 1-1/2 inch NSF Black Polyethylene Triple Barbed Adapter Elbow
AML-24M24B-NPP	1-1/2 inch MNPT by 1-1/2 inch FDA Natural Polypropylene Triple Barbed Adapter Elbow
AML-24M24B-BPP	1-1/2 inch MNPT by 1-1/2 inch FDA Black Polypropylene Triple Barbed Adapter Elbow



SKU	Description
AML-24M24B-BN	1-1/2 inch MNPT by 1-1/2 inch Black Nylon Triple Barbed Adapter Elbow



## GHB-S SERIES

The GHB-S Series are barbed garden hose adapter inserts for use with 3/4 inch GHN Garden hose nut or FPN series, 3/4 Inch Female pipe thread nut. This series is available in standard Nylon and Black Polypropylene. Barb sizes come in: 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, and 3/4 inch. Also available is a 1/4 Male NPT. Washers with filters are also part of this series.

SKU	Description
GHB-S- 10B-N	Garden Hose Stem 5/8
GHB-S-11B-N	Garden Hose Stem 11/16
GHB-S-12B-N	Garden Hose Stem 3/4
GHB-S-3B-N	Garden Hose Stem 3/16
GHB-S-4B-BKPP	Garden Hose Stem 1/4 Black Polypropylene
GHB-S-4B-N	Garden Hose Stem 1/4
GHB-S-532B-N	Garden Hose Stem 5/32
GHBS-650	Garden Hose by .650 Slip
GHB-S-6B-N	Garden Hose Stem 3/8
GHB-S-8B-N	Garden Hose Stem 1/2

## NMP SERIES



The NMP Series high-flow Muffler is made of Glass-Filled Nylon with a 40-micron sintered bronze screen. It is available with MNPT threads of 1/8 inch, 1/4 inch, and 3/8 inch. The maximum working pressure is 150 psi and the working temperature range is 35° F to 120° F.

SKU	Description
NMP-2M	1/8 inch MNPT 40 Micron Glass Filled Nylon Speed Muffler

## TS SERIES



TS Series mufflers are made of a high-density, porous Polyethylene body on a solid Polyethylene base. The base is molded with 1/8-inch, 1/4-inch, 3/8-inch, 1/2-inch, 3/4-inch, and 1-inch MNPT threads. The maximum pressure is 150 psi and the temperature range is 41° F to 140° F. The TS Muffler is available in four different air flows: 250 microns (green base), 70 microns (black base), 35 microns (red base) and 20 microns (blue base).

SKU	Description
TS-2M-20	1/8 inch MNPT 20 Micron Blue Muffler
TS-2M-35	1/8 inch MNPT 35 Micron Red Muffler
TS-2M-70	1/8 inch MNPT 70 Micron Black Muffler
TS-4M-20	1/4 inch MNPT 20 Micron Blue Muffler
TS-4M-250	1/4 inch MNPT 250 Micron Green Muffler
TS-4M-35	1/4 inch MNPT 35 Micron Red Muffler
TS-4M-70	1/4 inch MNPT 70 Micron Black Muffler
TS-6M-20	3/8 inch MNPT 20 Micron Blue Muffler
TS-6M-35	3/8 inch MNPT 35 Micron Red Muffler
TS-6M-70	3/8 inch MNPT 70 Micron Black Muffler
TS-6M-250	3/8 inch MNPT 250 Micron Green Muffler
TS-8M-20	1/2 inch MNPT 20 Micron Blue Muffler
TS-8M-250	1/2 inch MNPT 250 Micron Green Muffler
TS-8M-35	1/2 inch MNPT 35 Micron Red Muffler

SKU	Description
TS-8M-70	1/2 inch MNPT 70 Micron Black Muffler
TS-12M-20	3/4 inch MNPT 20 Micron Blue Muffler
TS-12M-250	3/4 inch MNPT 250 Micron Green Muffler
TS-12M-35	3/4 inch MNPT 35 Micron Red Muffler
TS-12M-70	3/4 inch MNPT 70 Micron Black Muffler
TS-16M-20	1 inch MNPT 20 Micron Blue Muffler
TS-16M-35	1 inch MNPT 35 Micron Red Muffler
TS-16M-70	1 inch MNPT 70 Micron Black Muffler

## FHWV SERIES



Black Vinyl washer for 3/4" FPN caps.

SKU	Description
FHWV-	3/4 Female Pipe with 3/4 GHT Washer Vinyl

## AF SERIES



The AF Series is an FNPT to standard triple barbed hose adapter and is molded of NSF-listed Natural Nylon. Natural and Black Polypropylene are optional (shown). Available in combinations of these sizes: 1/8 inch, 3/16 inch, 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, and 3/4 inch. BSPT threads are available.

SKU	Description
AF-2F3B-BKPP	1/8 inch FNPT by 3/16 inch ID Black Polypropylene Hose Barbed Adapter
AF-2F3B-NN	1/8 inch FNPT by 3/16 inch ID Natural Nylon Hose Barbed Adapter
AF-2F3B-NPP	1/8 inch FNPT by 3/16 inch ID Natural Polypropylene Hose Barbed Adapter
AF-2F4B-BKPP	1/8 inch FNPT by 1/4 inch ID Black Polypropylene Hose Barbed Adapter
AF-2F4B-NN	1/8 inch FNPT by 1/4 inch ID Natural Nylon Hose Barbed Adapter
AF-2F4B-NPP	1/8 inch FNPT by 1/4 inch ID Natural Polypropylene Hose Barbed Adapter
AF-2F6B-BKPP	1/8 inch FNPT by 3/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-2F6B-NN	1/8 inch FNPT by 3/8 inch ID Natural Nylon Hose Barbed Adapter
AF-2F6B-NPP	1/8 inch FNPT by 3/8 inch ID Natural Polypropylene Hose Barbed Adapter
AF-4F3B-BKPP	1/4 inch FNPT by 3/16 inch ID Black Polypropylene Hose Barbed Adapter
AF-4F3B-NN	1/4 inch FNPT by 3/16 inch ID Natural Nylon Hose Barbed Adapter
AF-4F3B-NPP	1/4 inch FNPT by 3/16 inch ID Natural Polypropylene Hose Barbed Adapter
AF-4F4B-BKPP	1/4 inch FNPT by 1/4 inch ID Black Polypropylene Hose Barbed Adapter
AF-4F4B-NN	1/4 inch FNPT by 1/4 inch ID Natural Nylon Hose Barbed Adapter
AF-4F4B-NPP	1/4 inch FNPT by 1/4 inch ID Natural Polypropylene Hose Barbed Adapter
AF-4F6B-BKPP	1/4 inch FNPT by 3/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-4F6B-NN	1/4 inch FNPT by 3/8 inch ID Natural Nylon Hose Barbed Adapter
AF-4F6B-NPP	1/4 inch FNPT by 3/8 inch ID Natural Polypropylene Hose Barbed Adapter
AF-4F8B-NN	1/4 inch FNPT by 1/2 inch ID Natural Nylon Hose Barbed Adapter
AF-6F10B-BKPP	3/8 inch FNPT by 5/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-6F10B-NN	3/8 inch FNPT by 5/8 inch ID Natural Nylon Hose Barbed Adapter
AF-6F4B-BKPP	3/8 inch FNPT by 1/4 inch ID Black Polypropylene Hose Barbed Adapter
AF-6F4B-NN	3/8 inch FNPT by 1/4 inch ID Natural Nylon Hose Barbed Adapter

SKU	Description
AF-6F4B-NPP	3/8 inch FNPT by 1/4 inch ID Natural Polypropylene Hose Barbed Adapter
AF-6F6B-BKPP	3/8 inch FNPT by 3/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-6F6B-NN	3/8 inch FNPT by 3/8 inch ID Natural Nylon Hose Barbed Adapter
AF-6F6B-NPP	3/8 inch FNPT by 3/8 inch ID Natural Polypropylene Hose Barbed Adapter
AF-6F8B-BKPP	3/8 inch FNPT by 1/2 inch ID Black Polypropylene Hose Barbed Adapter
AF-6F8B-NN	3/8 inch FNPT by 1/2 inch ID Natural Nylon Hose Barbed Adapter
AF-6F8B-NPP	3/8 inch FNPT by 1/2 inch ID Natural Polypropylene Hose Barbed Adapter
AF-8F10B-BKPP	1/2 inch FNPT by 5/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-8F10B-NN	1/2 inch FNPT by 5/8 inch ID Natural Nylon Hose Barbed Adapter
AF-8F10B-NPP	1/2 inch FNPT by 5/8 inch ID Natural Polypropylene Hose Barbed Adapter
AF-8F12B-BKPP	1/2 inch FNPT by 3/4 inch ID Black Polypropylene Hose Barbed Adapter
AF-8F12B-NN	1/2 inch FNPT by 3/4 inch ID Natural Nylon Hose Barbed Adapter
AF-8F12B-NPP	1/2 inch FNPT by 3/4 inch ID Natural Polypropylene Hose Barbed Adapter
AF-8F4B-BKPP	1/2 inch FNPT by 1/4 inch ID Black Polypropylene Hose Barbed Adapter
AF-8F4B-NN	1/2 inch FNPT by 1/4 inch ID Natural Nylon Hose Barbed Adapter
AF-8F4B-NPP	1/2 inch FNPT by 1/4 inch ID Natural Polypropylene Hose Barbed Adapter
AF-8F6B-BKPP	1/2 inch FNPT by 3/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-8F6B-NN	1/2 inch FNPT by 3/8 inch ID Natural Nylon Hose Barbed Adapter
AF-8F6B-NPP	1/2 inch FNPT by 3/8 inch ID Natural Polypropylene Hose Barbed Adapter
AF-8F8B-BKPP	1/2 inch FNPT by 1/2 inch ID Black Polypropylene Hose Barbed Adapter
AF-8F8B-NN	1/2 inch FNPT by 1/2 inch ID Natural Nylon Hose Barbed Adapter
AF-8F8B-NPP	1/2 inch FNPT by 1/2 inch ID Natural Polypropylene Hose Barbed Adapter
AF-12F8B-BKPP	3/4 inch FNPT by 1/2 inch ID Black Polypropylene Hose Barbed Adapter
AF-12F8B-NN	3/4 inch FNPT by 1/2 inch ID Natural Nylon Hose Barbed Adapter
AF-12F10B-BKPP	3/4 inch FNPT by 5/8 inch ID Black Polypropylene Hose Barbed Adapter
AF-12F10B-NN	3/4 inch FNPT by 5/8 inch ID Natural Nylon Hose Barbed Adapter
AF-12F12B-BKPP	3/4 inch FNPT by 3/4 inch ID Black Polypropylene Hose Barbed Adapter
AF-12F12B-NN	3/4 inch FNPT by 3/4 inch ID Natural Nylon Hose Barbed Adapter

SKU	Description
AF-12F12B-NPP	3/4 inch FNPT by 3/4 inch ID Natural Polypropylene Hose Barbed Adapter



## YCP SERIES

YCP Series is a low-pressure multi-barbed Wye connector made of Natural Polypropylene. This connector is for metric tubing and comes in seven sizes: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, and 16 mm.

SKU	Description
YCP-4M-NPP	4 mm Natural Polypropylene Multi-Barbed Wye Connector
YCP-6M-NPP	6 mm Natural Polypropylene Multi-Barbed Wye Connector
YCP-8M-NPP	8 mm Natural Polypropylene Multi-Barbed Wye Connector
YCP-10M-NPP	10 mm Natural Polypropylene Multi-Barbed Wye Connector
YCP-12M-NPP	12 mm Natural Polypropylene Multi-Barbed Wye Connector
YCP-14M-NPP	14 mm Natural Polypropylene Multi-Barbed Wye Connector
YCP-16M-NPP	16 mm Natural Polypropylene Multi-Barbed Wye Connector



## YSP SERIES

YSP Series is a low-pressure wye connector made of FDA-listed Natural Polypropylene. This wye connector comes in six equal barb sizes: 1/8 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, and 1/2 inch. The maximum pressure is 20 psi and the maximum working temperature is 198°F. This wye is autoclavable.

SKU	Description
YSP-2B-FDA	1/8 inch FDA Polypropylene Multi-Barbed Wye Connector
YSP-3B-FDA	3/16 inch FDA Polypropylene Multi-Barbed Wye Connector
YSP-4B-FDA	1/4 inch FDA Polypropylene Multi-Barbed Wye Connector

SKU	Description
YSP-5B-FDA	5/16 inch FDA Polypropylene Multi-Barbed Wye Connector
YSP-6B-FDA	3/8 inch FDA Polypropylene Multi-Barbed Wye Connector
YSP-8B-FDA	1/2 inch FDA Polypropylene Multi-Barbed Wye Connector

## GEN1 SERIES BARBED FITTINGS



GEN1 Series, manufactured by Pneuline, are single barbed plastic fittings without a parting line on the barb.

[Click Here](#) to View Material Options.

Some materials have specific characteristics such as:

- Black Nylon is UV resistant, making it good for outdoor use.
- Glass-filled nylon is stronger than regular nylon and doesn't absorb liquids, making it good for use where water is prevalent. Glass-filled nylon is also good for outdoor motor vehicles, such as motorcycles, boats, and cars.
- PVDF, Polypropylene, and Polycarbonate are all Class 6 USP and are good for medical and bio-pharmaceutical applications. These materials are bovine-free.
- Acetal is NSF 51/61 listed and can be used for potable water and food applications.

Available in Tees, Elbows, and Straight connections.

Items can be run in a class 7 clean room environment.

The GEN1 Series is available with barb sizes of 1/16, 1/8, 3/16 inch, 1/4 inch, 3/8 inch.

[View our Flyer Here](#)

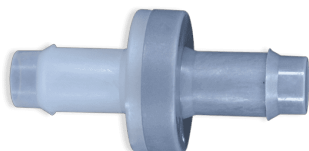
SKU	Description	Body Material Options
GEN1-T-1B	1/16 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-2B	1/8 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene

SKU	Description	Body Material Options
GEN1-T-3B	3/16 Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-4B	1/4 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-T-6B	3/8 inch Single Barb Tee	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-1B	1/16 inch Barbed Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-2B	1/8 Inch Barbed Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-3B	3/16 inch Single Barb Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-4B	1/4 inch Single Barb Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-L-6B	3/8 inch Single Barb Elbow	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-1B	1/16 Inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene
GEN1-S-2B	1/8 inch Single Barb Straight	Natural & Gray Kynar Natural & Black Nylon Black Glass Filled Nylon Polycarbonate Polypropylene



SKU	Description	Body Material Options
GEN1-S-3B	3/16 inch Single Barb Straight	Natural & Gray Kynar
		Natural & Black Nylon
		Black Glass Filled Nylon
		Polycarbonate
GEN1-S-4B	1/4 inch Single Barb Straight	Polypropylene
		Natural & Gray Kynar
		Natural & Black Nylon
		Black Glass Filled Nylon
GEN1-S-6B	3/8 inch Single Barb Straight	Polycarbonate
		Polypropylene
		Natural & Gray Kynar
		Natural & Black Nylon
		Black Glass Filled Nylon
		Polycarbonate
		Polypropylene

## MPV SERIES | INDUSTRIAL GRADE CHECK VALVES



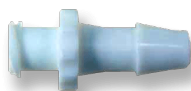
MPV Series Plastic Diaphragm Check Valves are Manufactured by Pneuline Supply. One-way valves are used for Ozone, pools, spas, printing, ink jet applications. Wound therapy, air mattresses, printing, ink jet applications, Vacuum applications, corrosive liquids. We are the exclusive producers of PVDF: Kynar 720 (R) Valves with FFKM, Kalrez 4079 Diaphragms.

[Download Our Flyer](#) for information on our body & diaphragm options.

SKU	Description	Flow (l/h)	Crack Pressure
MPV-2B-KK	1/8 Barb PVDF / Kalrez® Check Valve	43.17	.011
MPV-2B-KV	1/8 Barb PVDF / FKM Check Valve	68.09	.006
MPV-2B-NF	1/8 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-2B-NV	1/8 Barb Nylon / FKM Check Valve	68.09	.006
MPV-3B-AF	3/16 Barb Acetal / Fluorosilicone Check Valve	62.79	.007
MPV-3B-KV	3/16 Barb PVDF / FKM Check Valve	68.09	.006

SKU	Description	Flow (l/h)	Crack Pressure
MPV-3B-NF	3/16 Barb Nylon / Fluorosilicone Check Valve	62.79	.007
MPV-3B-NV	3/16 Barb Nylon / FKM Check Valve	68.09	.006
MPV-3B-PF	3/16 Barb Polypropylene / Fluorosilicone Check Valve	62.79	.007
MPV-3B-PV	3/16 Barb Polypropylene / FKM Check Valve	68.09	.006
MPV-4B-HKK	1/4 Barb Hi-Flow PVDF / Kalrez Check Valve	10.82	.001
MPV-4B-HKV	1/4 Barb Hi-Flow PVDF / FKM Check Valve	35.75	.001
MPV-4B-HNF	1/4 Barb Hi-Flow Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-4B-HNV	1/4 Barb Hi-Flow PVDF / FKM Check Valve	35.75	.001
MPV-4B-KV	1/4 Barb Standard Flow PVDF / FKM Check Valve	68.09	.006
MPV-4B-NF	1/4 Barb Nylon / Fluorosilicone	62.79	.007
MPV-4B-NV	1/4 Barb Nylon / FKM Check Valve	68.09	.006
MPV-4B-PF	1/4 Barb Polypropylene / Fluorosilicone Check Valve	62.79	.007
MPV-4B-PV	1/4 Barb Polypropylene / FKM Check Valve	68.09	.006
MPV-5B-AF	5/16 Barb Acetal / Fluorosilicone Check Valve	20.57	.001
MPV-5B-KK	5/16 Barb PVDF / Kalrez® Check Valve	10.82	.001
MPV-5B-KV	5/16 Barb PVDF / FKM Check Valve	35.73	.001
MPV-5B-NF	5/16 Barb Nylon / Fluorosilicone Check Valve	20.57	.001
MPV-5B-NV	5/16 Barb Nylon / FKM Check Valve	35.75	.001
MPV-6B-KV	3/8 Barb PVDF /FKM Check Valve	35.75	.001
MPV-6B-NF	3/8 Barb Nylon / Fluorosilicone Check Valve	20.57	.001
<b>MPV-6B-NV</b>	<b>3/8 Barb Nylon / FKM Check Valve</b>	<b>35.75</b>	<b>.001</b>

## FLLB SERIES



The FLL series are female luers that have a filter installed. Nylon bodies with Nylon filters with 10, 30, 48, 70, 100, 140 or 190 microns are available. Polypropylene bodies with Polypropylene filters of 105 or 150 microns are available. These filters come in UNF sizes of 10-32 inch or 1/4-28 inch.

SKU	Description
FLLB-332-PP-150N	FLL by 3/32 inch Barb Polypropylene, 150 micron Nylon
FLLB-18-K-70T	FLL by 1/8 inch Barb PVDF, 70 micron PTFE
FLLB-18-N-70N	FLL by 1/8 inch Barb Nylon, 70 micron Nylon



## IFF-F SERIES

The IFF-F Series Filters are Borosilicate 1/4 inch OD shafts in Nylon housing. The filter is impregnated with PTFE to be hydrophobic. Epoxy to remove oil, or Fluorocarbon for general air filtration. Available in 5 filter grades of .01, .50, and .70 maximum aerosol particles. A 44-micron Stainless Steel screen is also available.

SKU	Description
IFF-F-E-10	Epoxy .07 95.0 Efficiency
IFF-F-E-2	Epoxy .01 99.9999 Efficiency
IFF-F-E-4	Filter Borisilica Grade 4 Epoxy
IFF-F-E-4-1BE	Filter Borisilica Grade 4 Epoxy 1/16 Barb Elbow
IFF-F-E4-S	Filter Borisilica Grade 4 Epoxy Short
IFF-F-E4-S-1BE	Filter Borisilica Grade 4 Epoxy Short 1/16 Elbow
IFF-F-E-6	Epoxy .01 99.97 Efficiency
IFF-F-E-8	Epoxy .05 98.5 Efficiency

## IFF SERIES



The IFF Series Nylon Filters come standard with 1/4-inch stems that accept tubing or push-in fittings to adapt to various configurations. Available with silica gel (SG) to remove moisture, activated charcoal (AC) to remove oil vapor, molecular sieve (13X) to remove hydrocarbons, or oil-activated dye (AO) to indicate oil. 1/8 inch barbs or 1/8, 3/32 inch elbows available.

SKU	Description
IFF-2	Epoxy .01 99.9999 Efficiency
IFF-4	Filter Borisilica Grade 4 Epoxy
IFF-4S	Filter Borisilica Grade 4 Epoxy Short
IFF-6	Epoxy .01 99.97 Efficiency
IFF-8	Epoxy .05 98.5 Efficiency
IFF-10	Epoxy .07 95.0 Efficiency
IFF-14-AC	1/4 Filter Activated Charcoal
IFF-14-MS	1/4 Filter Molecular Sieve

## SF SERIES



The SF Series are plastic Bowl Filters that are 5.35 inches tall. These bowl filters have a standard configuration of a Nylon top and a clear Nylon bowl, an EPDM gasket, and your selection of a mesh screen. Optional screens are 20, 40, 80, 100, and 250 mesh 303 Stainless Steel and a 90-micron polyethylene filter. Available female NPT thread sizes are 3/8 inch, 1/2 inch, 3/4 inch, and 1 inch. Used in agriculture, dental, medical, and semi-conductor and vacuum applications for water and chemicals. Not for potable water.

SKU	Description
SF-12F-NNC-B-10	3/4 inch Female Nylon Clear Bowl 10 Micron
SF-12F-NNC-E-40	3/4 inch Female Nylon Clear Bowl EPDM-40
SF-12F-PP-E-80	3/4 inch Female Polypropylene E 80 Mesh Filter
SF-1F-NNC-E-20	1 inch F Nylon Clear Bowl EPDM-20
SF-1F-NNC-E-40	1 inch Female Nylon Clear Bowl EPDM-40

SKU	Description
SF-38F-NC-E-80	3/8 inch FNPT Nylon Clear Bowl EPDM-80
SF-6F-NNC-B-10	3/8 inch Female Filter Nylon Clear Bowl 10 Micron
SF-6F-NNC-E-40	3/8 inch Female Nylon Clear Bowl EPDM-40
SF-6F-NNC-E-70PE	3/8 inch Female Nylon Clear Bowl EPDM 70 Micron
SF-6F-NNC-E-80	3/8 inch Female Nylon Clear Bowl EPDM 80 Mesh
SF-8F-NNC-E-40	1/2 inch Female Nylon Clear Bowl EPDM-40
SF-8F-PC-E-40	1/2 inch Female Polypropylene Clear Bowl E 40 Mesh Filter
SF-8F-PP-E-20	1/2 inch Female Polypropylene E 20 Mesh Filter



## MF SERIES

The MF Series Plastic Bowl Filters are 3.75 inches tall. These are the same configuration as our LP series with a longer bowl allowing 7.70 square inches of filtration. The standard configuration is a Nylon top with a clear Nylon bowl. Available gaskets are EPDM, Buna, and FKM gaskets with your selection of 20, 40, 80, or 250 mesh 303 Stainless Steel screens. Male and female NPT thread sizes are 1/8, 1/4, 3/8, and 1/2 inch. Barb sizes are 1/4, 3/8, and 1/2 inch. Black Polypropylene is optional. These bowl filters are used in agriculture, dental, and semiconductor and vacuum applications for water and chemicals. Not for use with potable water.

SKU	Description
MF-NCB	Mini series Nylon clear bowl
MF-NN	Mini series white nylon bowl
MF-PB	Black poly Bowl
MF-80	80 mesh replacement screen
MF-4B-PT	1/4 Barbed Black Polypropylene top
MF-80 Caged	80 mesh with nylon supports
MF-40 Caged	40 Mesh with Nylon supports
MF-2M-NN-B-250	1/8 inch MNPT, White Nylon top and bowl, 250 Mesh, Buna
MF-4M-NNC-E-80	1/4 inch Male NPT Nylon with Clear Bowl 80 Mesh EPDM
MF-4F-PNC-E80	3/8 inch MNPT Black Polypropylene top Clear Nylon bowl, EPDM 80 Mesh
MF-6F-PNC-E-40	3/8 inch FNPT Black Polypropylene top, Clear Nylon Bowl 40 Mesh EPDM

SKU	Description
MF-8F-NN-E-250	1/2 FNPT White nylon top and bowl, Epdm with 250 mesh
MF-6M-PNC-E-40	3/8 inch MNPT Polypropylene Top,, Clear Nylon bowl 40 Mesh EPDM
MF-4B-PNC-B-40	Mini 80 Mesh screen
MF-6B-NNC-B-40	3/8 Barbed Nylon top, Clear nylon bowl, Buna 40 Mesh
<b>MF-8B-PNC-B-80 Caged</b>	<b>1/2 Barbed, Black poly top, Clear nylon Bowl, 80 Mesh caged screen, Buna</b>

## LP SERIES



The LP Series are low-profile Bowl Filters that stand just 2.5 inches tall. The standard configuration is a Nylon top with a clear Nylon bowl. Black Polypropylene is optional. The available gaskets are Buna, EPDM, or FKM. Filters are 20, 40, 80, 100, or 250 mesh 303 Stainless Steel; 90-micron Polyethylene filter. Male and Female NPT thread sizes are 1/8 inch, 1/4 inch, 3/8 inch, and 1/2 inch. Barb sizes are 1/4 inch, 3/8 inch, and 1/2 inch. Used in agriculture, dental and semi-conductor, and vacuum applications for water and chemicals. Not for use with potable water.

SKU	Description
LP-20	Low Profile 20 Mesh Stainless Steel
LP-40	Low Profile 40 Mesh Stainless Steel
LP-B	Low profile Buna Gasket
LP-E	Low profile EPDM Gasket
LP-NB	Low profile White Nylon Bowl
LP-NCB	Low profile Nylon Clear Bowl
LP-PB	Low Profile Polypropylene Bowl
LP-V	Low profile FKM Gasket
LP-90PE	Low Profile 90 Micron Polyethylene Filter
LP-80	Low Profile 80 Mesh Stainless Steel
LP-2F-PT	1/8 FNPT Polypropylene Top Low Profile Filter
LP-4F-PT	1/4 FNPT Polypropylene Top Low Profile Filter
LP-6F-NT	3/8 FNPT Nylon Top Low Profile
LP-6F-PT	3/8 FNPT Polypropylene Top Low Profile
LP-2M-PT	1/8 MNPT Polypropylene Top Low Profile
LP-4M-NT	1/4 MNPT Nylon Top Low Profile
LP-4M-PT	1/4 MNPT Polypropylene Top Low Profile
LP-4B-NT	1/4 Barb Nylon Top Low Profile

SKU	Description
LP-4B-PT	1/4 Barb Polypropylene Top Low Profile
LP-6M-PT	3/8 MNPT Polypropylene Top Low Profile
LP-6B-NT	3/8 Barb Nylon Top Low Profile
LP-6B-PT	3/8 Barb Polypropylene Top Low Profile
LP-2M-NNC-E-40	1/8 MNPT Nylon Clear Bowl EPDM-40
LP-4M-N-E-20	1/4 MNPT Nylon BOWL EPDM-20 Mesh
LP-4M-NNC-E-20	1/4 MNPT Nylon Clear Bowl E 20 Mesh Filter
LP-4M-NNC-E-40	1/4 MNPT Nylon Clear Bowl EPDM-40
LP-4M-PP-E-40	1/4 MNPT Polypropylene Top and Bowl E 40 Mesh
LP-6M-PP-E-40	Low Profile 3/8 MNPT Polypropylene E 40
LP-2F-NNC-V-40	1/8 FNPT Nylon Clear Bowl FKM-40
LP-2F-PNC-E-40	Low Profile 1/8 FNPT Polypropylene Clearbowl E 40
LP-2F-PP-E-40	Low Profile 1/8 FNPT Polypropylene E 40
LP-2F-PNC-V-40	Low Profile 1/8 FNPT Polypropylene with Clearbowl FKM 40
LP-4F-PNC-E-40	Low Profile 1/4 FNPT Polypropylene Clearbowl E 40
LP-4F-NNC-V-40	1/4 FNPT Nylon Clear Bowl FKM-40
LP-6F-NNC-V-40	3/8 FNPT Nylon Clear Bowl FKM-40
LP-6F-PNC-E-100	3/8 FNPT Nylon Clear Bowl EPDM 100 Mic
LP-6F-PNC-V-80	3/8 FNPT Nylon Clear Bowl FKM-80 Mesh Filter
LP-8F-NNC-V-40	1/2 FNPT Nylon Clear Bowl FKM-40
LP-8F-PNC-B-20	1/2 FNPT Nylon Clear Bowl Buna 20
LP-8F-PNC-V-20	1/2 FNPT Nylon Clear Bowl FKM 20
LP-6M-NNC-E-40	3/8 MNPT Nylon Clear Bowl EPDM-40
LP-6B-NNC-V-80	3/8 Barb Nylon with Clear Bowl FKM-80
LP-4B-NNC-V-80	1/4 Barb Nylon with Clear Bowl FKM-80
LP-4B-PNC-V-80	1/4 Barb Polypropylene Clear Bowl FKM-80
LP-6B-PNC-E-80	3/8 Barb Polypropylene Top Clear Bowl EPDM-80
LP-6B-PNC-V-80	3/8 Barb Polypropylene Clear Bowl FKM-80 mesh
LP-8B-PNC-V-80	1/2 Barb Polypropylene Clear Bowl FKM-80



## PWF SERIES

The PWF Series Plastic Bowl Filters have a Polypropylene or Nylon housing with a clear, profile 1-inch bowl filter. Available port sizes are 1/4 inch, 3/8 inch, and .170 inch barbs. Male and female NPT threads for these filters are 1/4 inch, 3/8 inch, and 1/2 inch. Available gaskets are EPDM, Viton®, and Buna-N. Filters: 20, 40, 80, 100, or 250 mesh 303 Stainless Steel; 5 and 70-micron Polyethylene screen; 10 Micron paper pleated screen.

SKU	Description
PWF-170-100MH	.170 Barb by .170 Barb 100 Mesh
PWF-14M170-20MH	1/4 MNPT by .170 Barb 20 Mesh
PWF-14F14M-100MC	1/4 FNPT by 1/4 FNPT 100 Micron
PWF-14M14M-30MC	1/4 MNPT by 1/4 MNPT 30 Micron
PWF-14F14M-60MC	1/4 FNPT by 1/4 MNPT 60 Micron
PWF-14M4P-40MH	1/4 MNPT by 1/4 OD 40 Mesh
PWF-4P4P-80MH	1/4 OD by 1/4 OD 80 Mesh
PWF-6P6P-250MC	3/8 OD by 3/8 OD 250 Micron
PWF-6P4M-10PAPER	3/8 OD by 1/4 MNPT 10 Micron Paper
PWF-4P4S-100MH	1/4 OD by 1/4 Stem 100 Mesh

## FIF SERIES



The FIF Series Polysulfone Filters are 10-32 inch Female UNF by 10-32 inch Female UNF Filters with a 316 Stainless Steel screen. Available in 5, 25, 43, or 73-micron screens. Minimum pressure 125 psi. The operating temperature is 40°F to 120°F. These filters are disposable and have a low-pressure drop.

SKU	Description
FIF-1032-5	10-32 Female Filter 5 Micron
FIF-1032-73	10-32 Female Filter 73 Micron
FIF-1032F-25	10-32 Female Filter 25 Micron
FIF-1032F-43	10-32 Female Filter 43 Micron





## AF-IG SERIES

The AF-IG Series Polysulfone Filters are 10-32 by 1/16 or 1/8 inch Barbs with 5, 25, 43, or 73 micron and 316 Stainless Steel Filter.

SKU	Description
AF-IG-101B-43	10-32 by 1/16 inch Barb 43 Micron Stainless Steel
AF-IG-102B-5	10-32 by 1/8 inch Barb 5 Micron 316 Stainless Steel
AF-IG-1B-5	10-32 by 1/16 inch Barb 5 Micron
AF-IG-1B-25	10-32 by 1/16 inch Barb 25 Micron
AF-IG-1B-43	10-32 by 1/16 inch Barb 43 Micron
AF-IG-1B-73	10-32 by 1/16 inch Barb 73 Micron
AF-IG-2B-5	10-32 by 1/8 inch Barb 5 Micron
AF-IG-2B-25	10-32 by 1/8 inch Barb 25 Micron
AF-IG-2B-43	10-32 by 1/8 inch Barb 43 Micron
AF-IG-2B-73	10-32 by 1/8 inch Barb 73 Micron



## FV SERIES- FILTER

The FV Series single barbed Inline Filter is used for compressed air or vacuum. These units have a Polypropylene housing with a porous Polyethylene filter. They can be used to protect vacuum pump switches and valves from contamination. Also, units are available with a 1/8 inch barb or with a male luer fitting on each end, measuring 2.4 inches in length and .75 inch in diameter. Filters are available with 10 or 25-micron filters. In addition, the recommended working pressure is 65 psi.

SKU	Description
FV-2B-10	1/8 inch Barb 10 Micron Vacuum Filter
FV-2B-25	1/8 inch Barb 25 Micron Vacuum Filter
FV-ML-10	Male Luer 10 Micron Vacuum Filter
FV-ML-25	Male Luer 25 Micron Vacuum Filter



## IFA SERIES

The IFA Series Gray Polycarbonate Filters have a 304 Stainless Steel screen. 5, 40, or 80 microns standard. Optional 100 microns.

SKU	Description
IFA-1B-40	1/16 inch Barb Gray Filter 40 Micron Polycarbonate
IFA-1B-5	1/16 inch Barb Gray Filter 5 Micron Polycarbonate
IFA-1B-80	1/16 inch Barb 304 Stainless Steel Filter 80 Micron
IFA-2B-40	1/8 inch Barb Gray Filter 40 Micron Polycarbonate
IFA-2B-5	1/8 inch Barb 304 Stainless Steel Filter 5 Micron



## IF-IG SERIES

The IF-IG Series Polysulfone Filters have a 316 Stainless Steel Filter screen in 5, 25, 43, or 75 microns. Units are over one inch in length. The maximum operating pressure is 125 psi. Filters can be passivated.

SKU	Description
IF-IG-1B-25	1/16 inch Barb Polysulfone, 25 Micron
IF-IG-1B-43	1/16 inch Barb Polysulfone, 43 Micron
IF-IG-1B-5	1/16 inch Barb Polysulfone, 5 Micron
IF-IG-1B-73	1/16 inch Barb Polysulfone, 73 Micron
IF-IG-2B-25	1/8 inch Barb Polysulfone, 25 Micron
IF-IG-2B-43	1/8 inch Barb Polysulfone, 43 Micron
IF-IG-2B-5	1/8 inch Barb Polysulfone, 5 Micron
IF-IG-2B-73	1/8 inch Barb Polysulfone, 73 Micron



## FSPV SERIES - POPPET CHECK VALVES

The FSPV Series Poppet Check Valves come in Black PVDF, Black Polypropylene, and White Polypropylene with a choice of Buna-N, EPDM, Viton®, or Kalrez® seal. The standard spring is 302 Stainless Steel with a cracking pressure of 1/3 psi. Optional springs of 1 or 7 psi are available. These high-flow valves can be used in pressures up to 125 psi. Hastelloy spring is optional. The inlet and outlet sizes are Female NPT 1/4 inch, 3/8 inch, 1/2 inch, and 3/4 inch, and Male NPT size of 1/2 inch.

SKU	Description
FSPV-12F	1/2 FNPT Poly Poppet Check Valve
FSPV-12F12M	1/2 FNPT by 1/2 MNPT Poly Poppet Check Valve
FSPV-12M12M	1/2 MNPT by 1/2 MNPT Poly Poppet Check Valve
FSPV-12M-HV	1/2 MNPT Valve Hastelloy® FKM Poppet Check Valve
FSPV-14F	1/4 FNPT Poly FKM 302 1 psi Poppet Check Valve
FSPV-14F-.3E-WP	1/4 FNPT White Poly EPDM Seals 1/3 psi Poppet Check Valve
FSPV-14F-HV-1	1/4 FNPT Poly FKM Hastelloy® 1 psi Poppet Check Valve
FSPV-34F	3/4 FNPT Poly FKM Disk 1/3 psi Poppet Check Valve
FSPV-34F-11WC	3/4 FNPT Poly FKM 11" C 1/3 psi Poppet Check Valve
FSPV-34F-5WC	3/4 FNPT Poly FKM 5" WC Poppet Check Valve
FSPV-34F-HV	3/4 FNPT Poly FKM Disk Hastelloy® 1/3 psi Poppet Check Valve
FSPV-34F-HV-.7	3/4 FNPT Poly FKM O-Ring Hastelloy® .7 psi Poppet Check Valve
FSPV-34F-HV-1.5	3/4 FNPT Poly FKM O-Ring Hastelloy® 1.5 psi Poppet Check Valve
FSPV-34F-HV-11WC	3/4 FNPT Poly FKM O-Ring Hastelloy® 11 WC Poppet Check Valve
FSPV-38F	3/8 FNPT Poly FKM 302 1/3 psi Poppet Check Valve
FSPV-38F-E-9	3/8 FNPT Poly FKM 302 1 psi Poppet Check Valve
FSPV-38F-HV-2	3/8 FNPT Poly Hastelloy® FKM #2 O-Ring Poppet Check Valve

## SPC SERIES



The SPC Series Plastic are PVC, Polypropylene, Nylon Plastic Check Valves and have 302 Stainless Steel springs, 316 Stainless Steel balls, and EPDM seals. 1 psi spring is standard with optional 1/3, 3, 5, 7, 10, or 12-pound springs. Available in barbs, MNPT, FNPT, Push-in connections with multiple combinations. Hastelloy spring, PTFE ball, and FKM O-rings for aggressive environments are available.

SKU	Description
SPC-2B2B-PB-12	1/8 inch Barb Valve Polypropylene Buna 12 psi
SPC-2B-PP-E-10	1/8 inch Barb Polypropylene EPDM 10 psi
SPC-2B-V-12	1/8 inch Barb Viton® with 12 Spring
SPC-2C2C	1/8 inch Compression by 1/8 inch Compression
SPC-2C2M-H-V	1/8 inch Compression by 1/8 inch MNPT Hastelloy® FKM
SPC-2F2F	1/8 inch Female by 1/8 inch Female
SPC-2F2F-HV	1/8 inch Female NPT with Hastelloy® FKM Seals
SPC-2M2M	1/8 inch Male by 1/8 inch Male
SPC-2M4F-E	1/8 inch NPT to 1/4 inch Female EPDM Seals
SPC-4B2M-HV-12	1/4 inch Barb to 1/8 inch MNPT Hastelloy® FKM 12 psi
SPC-4B2M-HV-3	1/4 inch Barb to 1/8 inch MNPT Hastelloy® FKM 3psi
SPC-4B4B	1/4 inch Barb by 1/4 inch Barb
SPC-4B4B-HV	1/4 inch Barb Hastelloy® FKM .5 psi
SPC-4B4B-V-12	1/4 inch Barb FKM with 12 spring
SPC-4B4M-BKPP-HV-1/3	1/4 inch Barb 1/4 inch Male Black Polypropylene FKM Hastelloy® 1/3 psi
SPC-4B4M-VH	1/4 inch Barb by 1/4 inch MNPT FKM/Hastelloy®
SPC-4B-V-12	1/4 inch Barb Viton® with 12 psi Spring
SPC-4B-V-H-1	1/4 inch Barb PVC FKM PTFE/Hastelloy® 1 psi
SPC-4C2M-H-V	1/4 inch Compression by 1/8 inch MNPT Hastelloy® FKM
SPC-4C4C	1/4 inch Compression by 1/4 inch Compression
SPC-4C4M-K-H-V	1/4 inch Compression 1/4 inch Male PVDF Hastelloy® FKM
SPC-4F4F	1/4 inch Female by 1/4 inch Female
SPC-4F4F-H-V	1/4 inch F by 1/4 inch Female Hastelloy® FKM
SPC-4F4F-K-H-V	1/4 inch Female PVDF Hastelloy® FKM
SPC-4F4FPP-H-V-3	1/4 inch Female Polypropylene Hastelloy® FKM 3 psi
SPC-4F4M-H-V-90PP	1/4 inch Female by 1/4 inch NPT Polypropylene Hastelloy®/ FKM 90 Micron
SPC-4F4M-K-H-V	1/4 inch Female by 1/4 inch M PVDF Hastelloy® FKM
SPC-4M4B-HV	1/4 inch Male 1/4 inch Barb FKM Hastelloy®
SPC-4M4F-H-V	1/4 inch Male by 1/4 inch Female Hastelloy® FKM 1 psi
SPC-4M4F-K-H-V	1/4 inch Male by 1/4 inch Female PVDF Hastelloy® FKM

SKU	Description
SPC-4M4M	1/4 inch Male by 1/4 inch Male
SPC-4M4M-H-V	1/4 inch Male by 1/4 inch Male Hastelloy® FKM 1 psi
SPC-4M4P	1/4 inch Male 1/4 inch Push-in
SPC-4M6B	1/4 inch Male 3/8 inch Barb
SPC-4P2M-H-V	1/4 inch Push-in by 1/8 inch Male Hastelloy®
SPC-4P4P	1/4 inch Push-in by 1/4 inch Push-in
SPC-4P4P-HV	1/4 inch Push-in Hastelloy® FKM
SPC-4P4P-SS-HV	1/4 inch Push-in Stainless Steel Ball Hastelloy® FKM
SPC-4P6B-H-V-7	1/4 inch Push-in 3/8 inch Barb Hastelloy® FKM 7
SPC-4PI2M-H-V	1/4 inch Push-in by 1/8 inch Male Hastelloy®/ FKM
SPC-4S4P	1/4 inch Stem by 1/4 inch Push-in
SPC-6B6B	3/8 inch Barb by 3/8 inch Barb
SPC-6B-F-1/3	3/8 inch Barb Fluoroelastomer 1/3 psi
SPC-6P4F-H-V	3/8 inch Push-in by 1/4 inch Female Hastelloy®/ Viton®
SPC-6P4M-H-V	3/8 inch Push-in by 1/4 inch Male Hastelloy®/ Viton®
SPC-6P-6B-H-V	3/8 inch Push-in 3/8 inch Barb Hastelloy® FKM 7 psi
SPC-6P-6B-H-V-R	3/8 inch Push-in 3/8 inch Barb Hastelloy® FKM 7 psi
SPC-6P6M-H-V RV1	3/8 inch Push-in by 3/8 inch Male Hastelloy®/ Viton®
SPC-6S6P	3/8 inch Stem by 3/8 inch Push-in
SPC-8B8B	1/8 inch Male by 1/8 inch Male

## DCE SERIES



The DCE Series is a rigid male Check Valve elbow made of Acetal that is NSF 51® certified and meets NSF 61® requirements. The available male threads are 1/8 inch, 1/4 inch, and 3/8 inch. OD tubing sizes are 5/32 inch, 3/16 inch, 1/4 inch, 5/16 inch, 3/8 inch, and 1/2 inch. The working pressure at 77° F is 232 psi, and at 158° F it is 145 psi. The working temperature range is from 32° F to 158° F. It can be used for compressed air, inert gases, water, and other fluids.

SKU	Description
DCE-2M-14	1/8 MNPT by 1/4 OD Push-in Elbow Spring-loaded Check Valve
DCE-4M-14	1/4 MNPT by 1/4 OD Push-to Connect Elbow Check Valve
DCE-6M-14	3/8 MNPT by 1/4 OD Push-to Connect Elbow Check Valve

## CVK SERIES - MALE CHECK VALVES



The CVK Series are male-by-male Check Valves made of natural PVDF. It has a 316 Stainless Steel spring and ball Viton® O-ring. Other O-ring options are EPDM and Fluorosilicone (blue). These check valves have a 1-2.5 psi cracking pressure with a maximum operating pressure of 220 psi and a maximum working temperature of 180°F. Available with a Hastelloy® spring and PTFE ball. Available Male NPT thread sizes are: 1/8 inch, 1/4 inch, 3/8 inch, and 1/2 inch.

SKU	Description
CVK-2M	1/8 inch NPT Check Valve PVDF
CVK-4M	1/4 NPT Check Valve PVDF
CVK-6M	3/8 inch NPT Check Valve PVDF
CVK-6M-HPTFE	3/8 inch M Check Valve PVDF, Hastelloy®/PTFE/FKM
CVK-8M	1/2 inch NPT Check Valve PVDF
CVK-8M-HPTFE	1/2 inch M Check Valve PVDF, Hastelloy®/PTFE/FKM

## MCV SERIES - CHECK VALVES



The MCV Series Check Valve housings are available in various materials: White Nylon is standard, with Black Nylon optional; Natural Polypropylene is standard with Black Polypropylene optional. Black PVDF is also available. Different colors can be specially formulated. O-ring Seals are Buna-N, EPDM, Viton®, and Silicone. The standard spring is 302 Stainless Steel with 316 Stainless Steel ball. The Standard barb inlet and outlet sizes are for 1/8 inch, 3/16 inch, and 1/4 inch ID tubing. The outlet side is available with a 1/8 Male NPT or 1/4 Male NPT.

The maximum operating pressure is 125 psi. and the maximum operating temperature is 140° F. PVDF is sold with PTFE seals and a Hastelloy Springs.

### Spring Options:

No Spring  
 1/2 psi - 302 Stainless  
 1 psi - 302 Stainless  
 2 psi - 302 Stainless

3 psi - 302 Stainless

## MCV SERIES

Pneuline Part Number	Size	Body	Seal	PSI
MCV-4B-PPE-1	1/4 (4B)	Polypropylene	EPDM	1 PSI
MCV-4B-NV-1/2	1/4 (4B)	Nylon	Viton ®	1/2 PSI
MCV-4B-NV-1	1/4 (4B)	Nylon	Viton ®	1 PSI
MCV-4B3B-NB-2	1/4 (4B) by 3/16 (3B)	Nylon	Buna	2 PSI
MCV-3B-PPV-3	3/16 (3B)	Polypropylene	Viton ®	3 PSI
MCV-3B-PPV-1/2	3/16 (3B)	Polypropylene	Viton ®	1/2 PSI
MCV-3B-PPV-1	3/16 (3B)	Polypropylene	Viton ®	1 PSI
MCV-3B-PPE-2	3/16 (3B)	Polypropylene	EPDM	2 PSI
MCV-3B-PPE-1/2	3/16 (3B)	Polypropylene	EPDM	1/2 PSI
MCV-3B-PPE-1	3/16 (3B)	Polypropylene	EPDM	1 PSI
MCV-3B-NV-1	3/16 (3B)	Nylon	Viton ®	1 PSI
MCV-3B-NV-2	3/16 (3B)	Nylon	Viton ®	2 PSI
MCV-3B4B-PPV-3	3/16 (3B) by 1/4 (4B)	Polypropylene	Viton ®	3 PSI
MCV-3B4B-PPE-3	3/16 (3B) by 1/4 (4B)	Polypropylene	EPDM	3 PSI
MCV-2B-PPV-2	1/8 (2B)	Polypropylene	Viton ®	2 PSI
MCV-2B-PPV-1/2	1/8 (2B)	Polypropylene	Viton ®	1/2 PSI
MCV-2B-PPE-3	1/8 (2B)	Polypropylene	EPDM	3 PSI
MCV-2B-PPE-2	1/8 (2B)	Polypropylene	EPDM	2 PSI
MCV-2B-PPE-1/2	1/8 (2B)	Polypropylene	EPDM	1/2 PSI
MCV-2B-PPE-1	1/8 (2B)	Polypropylene	EPDM	1 PSI
MCV-2B-PPB-2	1/8 (2B)	Polypropylene	Buna	2 PSI
MCV-2B-NV-1/2	1/8 (2B)	Nylon	Viton ®	1/2 PSI
MCV-2B-NV-1	1/8 (2B)	Nylon	Viton ®	1 PSI
MCV-2B-NB-1	1/8 (2B)	Nylon	Buna	1 PSI
MCV-2B4B-PPV-2	1/8 (2B) by 1/4 (4B)	Polypropylene	Viton ®	2 PSI
MCV-2B4B-PPE-1/2	1/8 (2B) by 1/4 (4B)	Polypropylene	EPDM	1/2 PSI
MCV-2B2M-PPV-2	1/8 (2B) 1/8 MNPT	Polypropylene	Viton ®	2 PSI
MCV-4B4B-PPV-1	1/4 (4B)	Polypropylene	Viton ®	1 PSI



## CCV SERIES - POPPET CHECK VALVES

The CCV Series are miniature Poppet Check Valves and Pressure Release Valves available with 1/8 inch Male NPT threads and 1/4 inch compression fittings. The NPT fittings are made of Polypropylene, Nylon, and ABS with O-rings made of Buna-N, EPDM, Viton®, Silicone, or fluorosilicone. The spring pressure is 20 psi. The compression fittings are made of Polypropylene with a .713 OD size.

SKU	Description
CCV-2M14C-1	1/8 MNPT by 1/4 Comp Polypropylene / EPDM 1 psi
CCV-2M14C-1.5	1/8 MNPT by 1/4 Comp Polypropylene / EPDM 1.5 psi
CCV-2M14C-3	1/8 MNPT by 1/4 Comp Polypropylene / EPDM 3 psi
CCV-2M14C-3-PPS	1/8 MNPT by 1/4 Comp Polypropylene / Silicone 3 psi
CCV-2M-3	1/8 MNPT by 1/8 MNPT Polypropylene / EPDM 3 psi
CCV-4C6M-3	1/4 Comp by 3/8 MNPT Polypropylene / EPDM 3 psi
CCV-4M14C-1	1/4 MNPT by 1/4 Comp Polypropylene / EPDM 1 psi
CCV-4M-4	1/4 MNPT by 1/4 MNPT Polypropylene / EPDM 4 psi

## CSP SERIES - POLYETHYLENE CHECK VALVES



The CSP Series Check Valves have a Polyethylene housing with a Neoprene disc for the 1/4-inch size and a Polyethylene disc for the 3/8-inch size. The maximum pressure for these check valves is 20 psi.

SKU	Description
CSP-38	3/8 inch to 9/16 inch ID Polypropylene Check Valve



## BBCV SERIES

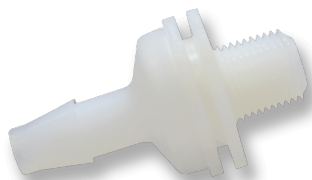


The BBCV Series Check Valve has a Male Slip Luer with 30 psi back pressure and 1/4 psi inlet cracking pressure. This series comes in ABS or Polycarbonate housing, both with Silicone Discs.

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SKU	Description
BBCV-MLFL-ABS	Male Luer by Female Luer ABS Check Valve .25 psi Crack
BBCV-MLFL-01-ABS	Male Luer by Female Luer ABS Check Valve .01 psi Crack
BBCV-MLML-ABS	Male Luer by Male Luer ABS Check Valve .25 psi Crack

## CMKV SERIES



The CMKV Series Plastic Check Valves are 1/8 inch Male NPT by Barb sizes of 1/8 inch, 3/16 inch, 1/4 inch, and 3/8 inch. The flow is from thread to barb. Material / Disc combinations are available in PVDF with FKM, Polypropylene with FKM, Polycarbonate with Neoprene, Polycarbonate with Silicone, Nylon with Silicone, and Nylon with Neoprene.

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SKU	Description
CMKV-18B	1/8 MNPT by 1/8 Barb PVDF/FKM Check Valve
CMKV-14B-NS	1/8 MNPT by 1/4 Barb Nylon/Silicone Check Valve
CMKV-316B	1/8 MNPT by 3/16 Barb PVDF/FKM Check Valve



## VC-IG SERIES

The VC-IG Series Plastic Check Valves have housing molded of Polysulfone or Polypropylene with either a POM or Silicone disc. The cracking pressure for these units is .8 H<sub>2</sub>O or .028 psi. The 10-32 inch units have a cracking pressure of 10 H<sub>2</sub>O or .36 psi. These check valves were made to be used in low-pressure applications. Reverse flow at 1 psi is available as follows: Polypropylene with Silicone: .20 SCIM, Polysulfone with POM 2.98 SCIM, Polysulfone with POM 1.00 SCIM R2, Polysulfone with Silicone .20 SCIM, and Polysulfone with Silicone .06 SCIM 10-32 inch Female ports only. Maximum pressure is 10 psi excluding the 10-32 inch port which is rated for 75 psi.

SKU	Description
VC-IG-1032F-PSS	1032 Female PS Silicon Check Valve
VC-IG-1B-PPS	1/16 Barb PP Silicone Check Valve
VC-IG-1B-PSC R2	1/16 Barb PS Celcon® Check Valve
VC-IG-1B-PSS	1/16 Barb PS Silicone Check Valve
VC-IG-1S-PPS	1/16 Shaft PP Silicone Check Valve
VC-IG-1S-PSC	1/16 Shaft PS Celcon® Check Valve
VC-IG-1S-PSC R2	1/16 Shaft PS Celcon® Check Valve
VC-IG-1S-PSS	1/16 Shaft PS Silicone Check Valve
VC-IG-2B-PPS	1/8 Barb PP Silicone Check Valve
VC-IG-2B-PSC R2	1/8 Barb PS Celcon® Check Valve
VC-IG-2B-PSS	1/8 Barb PS Silicone Check Valve

## CNV SERIES



The CNV Series Check Valve is made of Polypropylene and is available in three sizes for 1/16 inch, 5/32 inch, or 1/8 inch ID tubing. The 1/16-inch ID tubing has either a 3-inch water column or an 8-inch water column opening pressure. The 8 inch water column is available with an EPDM or ECH duckbill. The 3-inch water column is offered with only an EPDM duckbill. The 1/8-inch size has a 3-inch water column with an EPDM duckbill. The 5/32-inch size has a 3-inch water column with an EPDM duckbill. A 3-inch water column equals 1/10 psi, and an 8 inch water column equals 1/3 psi. The maximum pressure for this check valve is 30 psi and the temperature range is from 35° F to 150° F.

SKU	Description
CNV-16S-PPEP-3	1/16 inch ID EPDM Duckbill Check Valve 3" water column
CNV-16S-PPEP-8	1/16 inch ID EPDM Duckbill Check Valve 8" water column
CNV-16S-PPEPC-8	1/16 inch ID ECH Duckbill Check Valve 8" water column
CNV-18S-PPEP	1/8 inch ID EPDM Duckbill Check Valve 3" water column
CNV-532S-PPEP-3	5/32 inch ID EPDM Duckbill Check Valve 3" water column

## CDV SERIES



This is a non-barbed **Acrylic or Polycarbonate Check Valve** with a Silicone duck bill. This is a normally open, one-way check valve. It prevents backflow leakage with minimal pressure. The ends of the ports measure .134 to accommodate 1/8" ID tubing. These fittings are also available with male and female Luer Locks.

SKU	Description
CDV-125	1/8 inch ID Acrylic Luer Duckbill Check Valve
CDV-125MLL	1/8 inch ID to Male Luer Lock Acrylic Duckbill Check Valve
CDV-125-PC	1/8 inch ID Polycarbonate Duckbill Check Valve
CDV-18	1/8 inch ID Tubing Acrylic Duckbill Check Valve
CDV-FL-125	1/8 inch ID to Female Luer Lock Acrylic Duckbill Check Valve
CDV-FLL125	Female Luer Lock by .125
CDV-FLLML	Female Luer Lock to Male Slip Luer Acrylic Duckbill Check Valve

SKU	Description
CDV-FLLMLL	Female Luer Lock to Male Luer Lock Acrylic Duckbill Check Valve
CDV-ML	1/8 inch ID Male Luer Acrylic Duckbill Check Valve

## QCD SERIES - LUER DUCKBILL CHECK VALVES



The QCD Series Luer Check Valves are made of Polycarbonate and have a Silicone duck bill. The low cracking pressure is 0.433 psi, which determines when the component starts to open. The OD sizes are 5/64 inch, 7/64 inch, and 9/64 inch. Also available with female and male Luer Locks.

SKU	Description
QCD-564	5/64 inch OD Tubing Polycarbonate Luer Check Valve
QCD-764	7/64 inch OD Tubing Polycarbonate Luer Check Valve
QCD-964	9/64 inch OD Tubing Polycarbonate Luer Check Valve
QCD-FM	Female by Male Luer Lock Polycarbonate Check Valve

## TCP & TCPR SERIES



TCP Series Plastic Multi-position Clamps are made of Polyester for 1/4 inch, 3/16 inch, 5/32 inch, 1/2 inch, or 3/4 inch OD Tubing. These units can be sterilized using Gamma, ETO, or Autoclave. Multi-position only available for 1/2 inch and 3/4 inch sizes only (shown).

SKU	Description
TCP-12	1/2 inch OD Tubing Clamp
TCP-14	1/4 inch OD Tubing Clamp
TCP-316	3/16 inch OD Tubing Clamp
TCP-34	3/4 inch OD Tubing Clamp

SKU	Description
TCP-532	5/32 inch OD Tubing Clamp
TCPR-12	1/2 inch OD Tubing Multi-position Clamp
TCPR-34	3/4 inch OD Tubing Multi-position Clamp



## AFH SERIES

The AFH Series Plastic Female NPT to Multi-Barbed Adapter Fittings are available in Nylon, Black Polypropylene, or PTFE materials in sizes ranging from 1/4 inch to 3/4 inch Barbs.

SKU	Description
AFH-12F10B-BPP	3/4 inch FNPT to 5/8 inch Barbed Adapter Black Polypropylene
AFH-12F10B-NN	3/4 inch FNPT to 5/8 inch Barbed Adapter Natural Nylon
AFH-12F10B-PTFE	3/4 inch FNPT to 5/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-12F12B-BPP	3/4 inch FNPT to 3/4 inch Barbed Adapter Black Polypropylene
AFH-12F12B-NN	3/4 inch FNPT to 3/4 inch Barbed Adapter Natural Nylon
AFH-12F12B-PTFE	3/4 inch FNPT to 3/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-12F4B-BPP	3/4 inch FNPT to 1/4 inch Barbed Adapter Black Polypropylene
AFH-12F4B-NN	3/4 inch FNPT to 1/4 inch Barbed Adapter Natural Nylon
AFH-12F4B-PTFE	3/4 inch FNPT to 1/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-12F6B-BKPP	3/4 inch FNPT to 3/8 inch Barbed Adapter Black Polypropylene
AFH-12F6B-NN	3/4 inch FNPT to 3/8 inch Barbed Adapter Natural Nylon
AFH-12F6B-PTFE	3/4 inch FNPT to 3/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-12F8B-BPP	3/4 inch FNPT to 1/2 inch Barbed Adapter Black Polypropylene
AFH-12F8B-NN	3/4 inch FNPT to 1/2 inch Barbed Adapter Natural Nylon
AFH-12F8B-PTFE	3/4 inch FNPT to 1/2 inch Barbed Adapter Polytetrafluoroethylene
AFH-2F4B-BPP	1/8 inch FNPT to 1/4 inch Barbed Adapter Black Polypropylene
AFH-2F4B-NN	1/8 inch FNPT to 1/4 inch Barbed Adapter Natural Nylon
AFH-2F4B-PTFE	1/8 inch FNPT to 1/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-2F6B-BPP	1/8 inch FNPT to 3/8 inch Barbed Adapter Black Polypropylene
AFH-2F6B-NN	1/8 inch FNPT to 3/8 inch Barbed Adapter Natural Nylon
AFH-2F6B-PTFE	1/8 inch FNPT to 3/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-4F4B-BPP	1/4 inch FNPT to 1/4 inch Barbed Adapter Black Polypropylene
AFH-4F4B-NN	1/4 inch FNPT to 1/4 inch Barbed Adapter Natural Nylon
AFH-4F4B-PTFE	1/4 inch FNPT to 1/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-4F6B-BPP	1/4 inch FNPT to 3/8 inch Barbed Adapter Black Polypropylene

SKU	Description
AFH-4F6B-NN	1/4 inch FNPT to 3/8 inch Barbed Adapter Natural Nylon
AFH-4F6B-PTFE	1/4 inch FNPT to 3/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-4F8B-BPP	1/4 inch FNPT to 1/2 inch Barbed Adapter Black Polypropylene
AFH-4F8B-NN	1/4 inch FNPT to 1/2 inch Barbed Adapter Natural Nylon
AFH-4F8B-PTFE	1/4 inch FNPT to 1/2 inch Barbed Adapter Polytetrafluoroethylene
AFH-6F10B-BPP	3/8 inch FNPT to 5/8 inch Barbed Adapter Black Polypropylene
AFH-6F10B-NN	3/8 inch FNPT to 5/8 inch Barbed Adapter Natural Nylon
AFH-6F10B-PTFE	3/8 inch FNPT to 5/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-6F12B-BPP	3/8 inch FNPT to 3/4 inch Barbed Adapter Black Polypropylene
AFH-6F12B-NN	3/8 inch FNPT to 3/4 inch Barbed Adapter Natural Nylon
AFH-6F12B-PTFE	3/8 inch FNPT to 3/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-6F4B-BPP	3/8 inch FNPT to 1/4 inch Barbed Adapter Black Polypropylene
AFH-6F4B-NN	3/8 inch FNPT to 1/4 inch Barbed Adapter Natural Nylon
AFH-6F4B-PTFE	3/8 inch FNPT to 1/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-6F6B-BPP	3/8 inch FNPT to 3/8 inch Barbed Adapter Black Polypropylene
AFH-6F6B-NN	3/8 inch FNPT to 3/8 inch Barbed Adapter Natural Nylon
AFH-6F6B-PTFE	3/8 inch FNPT to 3/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-6F8B-BPP	3/8 inch FNPT to 1/2 inch Barbed Adapter Black Polypropylene
AFH-6F8B-NN	3/8 inch FNPT to 1/2 inch Barbed Adapter Natural Nylon
AFH-6F8B-PTFE	3/8 inch FNPT to 1/2 inch Barbed Adapter Polytetrafluoroethylene
AFH-8F10F-BPP	1/2 inch FNPT to 5/8 inch Barbed Adapter Black Polypropylene
AFH-8F10F-NN	1/2 inch FNPT to 5/8 inch Barbed Adapter Natural Nylon
AFH-8F10F-PTFE	1/2 inch FNPT to 5/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-8F12B-BPP	1/2 inch FNPT to 3/4 inch Barbed Adapter Black Polypropylene
AFH-8F12B-NN	1/2 inch FNPT to 3/4 inch Barbed Adapter Natural Nylon
AFH-8F12B-PTFE	1/2 inch FNPT to 3/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-8F4B-BPP	1/2 inch FNPT to 1/4 inch Barbed Adapter Black Polypropylene
AFH-8F4B-NN	1/2 inch FNPT to 1/4 inch Barbed Adapter Natural Nylon
AFH-8F4B-PTFE	1/2 inch FNPT to 1/4 inch Barbed Adapter Polytetrafluoroethylene
AFH-8F6B-BPP	1/2 inch FNPT to 3/8 inch Barbed Adapter Black Polypropylene
AFH-8F6B-NN	1/2 inch FNPT to 3/8 inch Barbed Adapter Natural Nylon
AFH-8F6B-PTFE	1/2 inch FNPT to 3/8 inch Barbed Adapter Polytetrafluoroethylene
AFH-8F8B-BPP	1/2 inch FNPT to 1/2 inch Barbed Adapter Black Polypropylene
AFH-8F8B-NN	1/2 inch FNPT to 1/2 inch Barbed Adapter Natural Nylon
AFH-8F8B-PTFE	1/2 inch FNPT to 1/2 inch Barbed Adapter Polytetrafluoroethylene

## FHS SERIES



The FHS-B Series is a Plastic Multi-Barbed Hose Adapter Insert made of Black Polypropylene designed with a blunt end and extra long stem in sizes of 1/4 inch, 3/8 inch, 1/2 inch, 5/8 inch, and 3/4 inch. For use with 3/4 inch [FPN Series](#) Nut.

SKU	Description
FHS-B-4B-BPP	1/4 inch Barb Black Polypropylene Garden Hose Stem
FHS-B-6B-BPP	3/8 inch Barb Black Polypropylene Garden Hose Stem
FHS-B-8B-BPP	1/2 inch Barb Black Polypropylene Garden Hose Stem
FHS-B-10B-BPP	5/8 inch Barb Black Polypropylene Garden Hose Stem
FHS-B-12B-BPP	3/4 inch Barb Black Polypropylene Garden Hose Stem

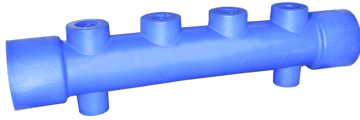
## FPN SERIES



The FPN series is a plastic nut. This product can be made from either standard nylon or polypropylene. In addition the 3/4" NPT nut is intended for use with hose barb stems.

SKU	Description
FPN	3/4 FNPT Pipe Nut

## WAM SERIES

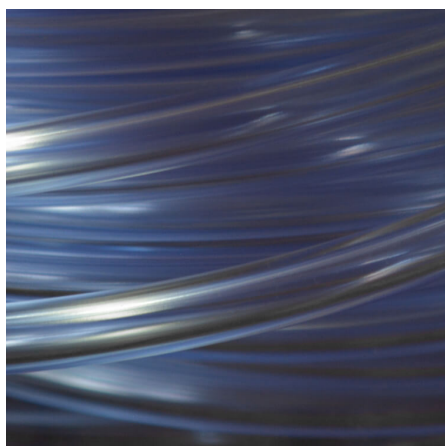


WAM Series is a ready-to-use Nylon Manifold with 4, 8, 16, 4 Center 4 Plug, or 8 Center 8 Plug ports. Also, the port sizes available are 1/4 inch, 3/8 inch, and 1/2 inch with supply sizes of 1 inch or 1-1/2 inch. Available in red or blue. For use with Brass, Nylon, or Steel fittings. Mount brackets and Plugs are available separately.

SKU	Description
WAM-4-14-1-B	4 Ports, 1/4 inch FNPT Port and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-4-38-1-B	4 Ports, 3/8 inch FNPT Port and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-4-38-112-B	4 Ports, 3/8 inch FNPT Port and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-4-12-112-B	4 Ports, 1/2 inch FNPT Port and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8-14-1-B	8 Ports, 1/4 inch FNPT Port and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8-38-1-B	8 Ports, 3/8 inch FNPT Port and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8-38-112-B	8 Ports, 3/8 inch FNPT Port and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8-12-112-B	8 Ports, 1/2 inch FNPT Port and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16-14-1-B	16 Ports, 1/4 inch FNPT Port and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16-38-1-B	16 Ports, 3/8 inch FNPT Port and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16-38-112-B	16 Ports, 3/8 inch FNPT Port and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16-12-112-B	16 Ports, 1/2 inch FNPT Port and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8C-14-1-B	8 Ports, 1/4 inch FNPT split center and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8C-38-1-B	8 Ports, 3/8 inch split center and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8C-38-112-B	8 Ports, 3/8 inch split center and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-8C-12-112-B	8 Ports, 1/2 inch FNPT split center and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16C-14-1-B	16 Ports, 1/4 inch FNPT split center and 1 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16C-38-1-B	16 Ports, 3/8 inch FNPT split center and 1 inch FNPT Supply In/Out Blue Nylon Manifold



SKU	Description
WAM-16C-38-112-B	16 Ports, 3/8 inch FNPT split center and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold
WAM-16C-12-112-B	16 Ports, 1/2 inch FNPT split center and 1-1/2 inch FNPT Supply In/Out Blue Nylon Manifold



## V80 PVC TUBING

The V80 Series is a clear 80 Durometer PVC tubing that can withstand autoclaving and gamma sterilization. It meets FDA standards. The temperature range for this tubing is -45° F to 165° F. The working pressure at 73° F is 43 psi.

SKU	Description
V80-1438	1/4 inch ID by 3/8 inch OD 80 Durometer FDA Vinyl Tubing
V80-14516	1/4 inch ID by 5/16 inch OD 80 Durometer FDA Vinyl Tubing
V80-1814	1/8 inch ID by 1/4 inch OD 80 Durometer FDA Vinyl Tubing
V80-316516	3/16 inch ID by 5/16 inch OD 80 Durometer FDA Vinyl Tubing
V80-3858-FDA	3/8 inch ID by 5/8 inch OD 80 Durometer FDA Vinyl Tubing

## GHE SERIES



The GHE Series is a Male Garden Hose Elbow made of Nylon or black Polypropylene. Size of 1/4, 3/8, 1/2, 5/8 and 3/4 barb.

SKU	Description
GHE-6B	Garden Hose Elbow by 3/8 inch Nylon Barb
GHE-8B	Garden Hose Elbow by 1/2 inch Nylon Barb
GHE-10B	Garden Hose Elbow by 5/8 inch Nylon Barb
GHE-12B	Garden Hose Elbow by 3/4 inch Nylon Barb
GHE-16B	GHE by 1 inch Nylon Barb

## CR SERIES



The CR Series Plastic Multi-Barbed Fittings are reducing connectors with a standard Triple-Barb hose. Molded of either NSF Listed Natural Nylon, NSF Listed Black Polyethylene, FDA Listed Black Polypropylene. Sizes range from 1/8 inch to 1-1/2 inch.

SKU	Description
CR-4B2B	1/4 Multi Barb by 1/8 Multi Barb Reducer
CR-4B3B	1/4 Multi Barb by 3/16 Multi Barb Reducer
CR-4B532	1/4 Multi Barb by 5/32 Multi Barb Reducer
CR-5B2B	5/16 Multi Barb by 1/8 Multi Barb Reducer
CR-5B3B	5/16 Multi Barb by 3/16 Multi Barb Reducer
CR-6B4B	3/8 Multi Barb by 1/4 Multi Barb Reducer
CR-6B5B	3/8 Multi Barb by 5/16 Multi Barb Reducer
CR-6B8B	3/8 Multi Barb by 1/2 Multi Barb Reducer
CR-8B4B	1/2 Multi Barb by 1/4 Multi Barb Reducer
CR-8B6B	1/2 Multi Barb by 3/8 Multi Barb Reducer
CR-10B6B	5/8 Multi Barb by 3/8 Multi Barb Reducer
CR-10B8B	5/8 Multi Barb by 1/2 Multi Barb Reducer
CR-12B8B	3/4 Multi BarbX 1/2 Multi Barb Reducer

## CT SERIES



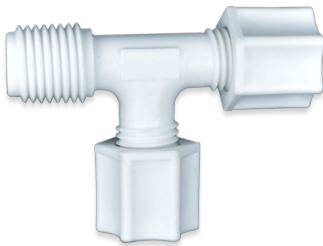
The CT Series Three port Compression Fittings are for a 1/8 inch to 7/8 inch tubing connection without kinking attached tubing. Available in NSF approved Glass-Filled White Polypropylene, FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon and UV resistant FDA and NSF-rated PVDF. Provided with Poly gripper (except for 1/8 inch units) for use up to 220 psi. Available in a select number of reducing sizes.

SKU	Description
CT-12-AC-PG	1/2 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-12-GFPP-PG	1/2 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-12-NN-PG	1/2 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-12-PVDF-PG	1/2 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-14-AC-PG	1/4 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-14-GFPP-PG	1/4 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-14-K-PG	1/4 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-14-NN-PG	1/4 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-18-AC-PG	1/8 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-18-GFPP-PG	1/8 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-18-NN-PG	1/8 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-18-PVDF-PG	1/8 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-34-AC-PG	3/4 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-34-GFPP-PG	3/4 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-34-NN-PG	3/4 inch OD Tee Connector Natural Nylon Compression with Poly Gripper

SKU	Description
CT-34-PVDF-PG	3/4 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-38-AC-PG	3/8 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-38-GFPP-PG	3/8 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-38-K	3/8 inch OD Tee Connector PVDF Compression
CT-38-K-PG	3/8 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-38-NN-PG	3/8 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-516-AC-PG	5/16 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-516-GFPP-PG	5/16 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-516-NN-PG	5/16 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-516-PVDF-PG	5/16 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-58-AC-PG	5/8 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-58-GFPP-PG	5/8 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-58-NN-PG	5/8 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-58-PVDF-PG	5/8 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-5838-AC-PG	5/8 inch OD by 3/8 inch OD Reducing Tee Acetal Compression with Poly Gripper
CT-5838-GFPP-PG	5/8 inch OD by 3/8 inch OD Reducing Tee Glass-Filled Polypropylene Compression with Poly Gripper
CT-5838-K-PG	5/8 inch OD by 3/8 inch OD Reducing Tee PVDF Compression with Poly Gripper
CT-5838-NN-PG	5/8 inch OD by 3/8 inch OD Reducing Tee Natural Nylon Compression with Poly Gripper
CT-78-AC-PG	7/8 inch OD Tee Connector Acetal Compression with Poly Gripper
CT-78-GFPP-PG	7/8 inch OD Tee Connector Glass-Filled Polypropylene Compression with Poly Gripper
CT-78-NN-PG	7/8 inch OD Tee Connector Natural Nylon Compression with Poly Gripper
CT-78-PVDF-PG	7/8 inch OD Tee Connector PVDF Compression with Poly Gripper
CT-7858-AC-PG	7/8 inch OD by 3/8 inch OD Reducing Tee Acetal Compression with Poly Gripper
CT-7858-GFPP-PG	7/8 inch OD by 3/8 inch OD Reducing Tee Glass-Filled Polypropylene Compression with Poly Gripper

SKU	Description
CT-7858-NN-PG	7/8 inch OD by 3/8 inch OD Reducing Tee Natural Nylon Compression with Poly Gripper
CT-7858-PVDF-PG	7/8 inch OD by 3/8 inch OD Reducing Tee PVDF Compression with Poly Gripper
CT-785858-AC-PG	7/8 inch OD by 5/8 inch by 5/8 inch OD Reducing Tee Acetal Compression with Poly Gripper
CT-785858-GFPP-PG	7/8 inch OD by 5/8 inch by 5/8 inch OD Reducing Tee Glass-Filled Polypropylene Compression with Poly Gripper
CT-785858-NN-PG	7/8 inch OD by 5/8 inch by 5/8 inch OD Reducing Tee Natural Nylon Compression with Poly Gripper
CT-785858-PVDF-PG	7/8 inch OD by 5/8 inch by 5/8 inch OD Reducing Tee PVDF Compression with Poly Gripper

## CMR SERIES



The CMR Series Male Thread runs with a compression connection on the branch. Male pipe threads are 1/8 inch to 3/4 inch. Compression Branch allows tubing connections of 14 inches to 7/8 inches without kinking attached tubing. Available in NSF approved Glass-Filled White Polypropylene, FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon and UV resistant FDA and NSF-rated PVDF. Provided with Poly gripper (except for 1/8 inch units) for us up to 220 psi.

SKU	Description
CMR-1212-AC-PG	1/2 inch Male NPT 1/2 inch OD Run Acetal with Poly Gripper
CMR-1212-GFPP-PG	1/2 inch Male NPT 1/2 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-1212-NPP-PG	1/2 inch Male NPT 1/2 inch OD Run Natural Polypropylene with Poly Gripper
CMR-1212-PG	1/2 inch Male NPT 1/2 inch OD Run with Poly Gripper
CMR-1234-AC-PG	1/2 inch Male NPT 3/4 inch OD Run Acetal with Poly Gripper
CMR-1234-GFPP-PG	1/2 inch Male NPT 3/4 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-1234-NPP-PG	1/2 inch Male NPT 3/4 inch OD Run Natural Polypropylene with Poly Gripper
CMR-1234-PG	1/2 inch Male NPT 3/4 inch OD Run with Poly Gripper
CMR-1258-AC-PG	1/2 inch Male NPT 5/8 inch OD Run Acetal with Poly Gripper
CMR-1258-GFPP-PG	1/2 inch Male NPT 5/8 inch OD Run Glass Filled Polypropylene with Poly Gripper

SKU	Description
CMR-1258-NPP-PG	1/2 inch Male NPT 5/8 inch OD Run Natural Polypropylene with Poly Gripper
CMR-1258-PG	1/2 inch Male NPT 5/8 inch OD Run with Poly Gripper
CMR-1414-AC-PG	1/4 inch Male NPT 1/4 inch OD Run Acetal with Poly Gripper
CMR-1414-K-PG	1/4 inch Male NPT 1/4 inch OD Run PVDF with Poly Gripper
CMR-1414-NPP-PG	1/4 inch Male NPT 1/4 inch OD Run Natural Polypropylene with Poly Gripper
CMR-1414-PG	1/4 inch Male NPT 1/4 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-1438-AC-PG	1/4 inch Male NPT 3/8 inch OD Run Acetal with Poly Gripper
CMR-1438-K-PG	1/4 inch Male NPT 3/8 inch OD Run PVDF with Poly Gripper
CMR-1438-NPP-PG	1/4 inch Male NPT 3/8 inch OD Run Natural Polypropylene with Poly Gripper
CMR-1438-PG	1/4 inch Male NPT 3/8 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-14516-AC-PG	1/4 inch Male NPT 5/16 inch OD Run Acetal with Poly Gripper
CMR-14516-NPP-PG	1/4 inch Male NPT 5/16 inch OD Run Natural Polypropylene with Poly Gripper
CMR-14516-PG	1/4 inch Male NPT 5/16 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-14516-PVDF-PG	1/4 inch Male NPT 5/16 inch OD Run PVDF with Poly Gripper
CMR-1814-AC-PG	1/8 inch Male NPT 1/4 inch OD Run Acetal with Poly Gripper
CMR-1814-NPP-PG	1/8 inch Male NPT 1/4 inch OD Run Natural Polypropylene with Poly Gripper
CMR-1814-PG	1/8 inch Male NPT 1/4 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-1814-PVDF-PG	1/8 inch Male NPT 1/4 inch OD Run PVDF with Poly Gripper
CMR-3434-AC-PG	3/4 inch Male NPT 3/4 inch OD Run Acetal with Poly Gripper
CMR-3434-NPP-PG	3/4 inch Male NPT 3/4 inch OD Run Natural Polypropylene with Poly Gripper
CMR-3434-PG	3/4 inch Male NPT 3/4 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-3434-PVDF-PG	3/4 inch Male NPT 3/4 inch OD Run PVDF with Poly Gripper
CMR-3478-AC-PG	3/4 inch Male NPT 7/8 inch OD Run Acetal with Poly Gripper
CMR-3478-NPP-PG	3/4 inch Male NPT 7/8 inch OD Run Natural Polypropylene with Poly Gripper
CMR-3478-PG	3/4 inch Male NPT 7/8 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-3478-PVDF-PG	3/4 inch Male NPT 7/8 inch OD Run PVDF with Poly Gripper
CMR-3812-AC-PG	3/8 inch Male NPT 1/2 inch OD Run Acetal with Poly Gripper
CMR-3812-GFPP-PG	3/8 inch Male NPT 1/2 inch OD Run Glass Filled Polypropylene with Poly Gripper
CMR-3812-PG	3/8 inch Male NPT 1/2 inch OD Run Natural Polypropylene with Poly Gripper
CMR-3812-PVDF-PG	3/8 inch Male NPT 1/2 inch OD Run PVDF with Poly Gripper
CMR-3838-AC-PG	3/8 inch Male NPT 3/8 inch OD Run Acetal with Poly Gripper

SKU	Description
CMR-3838-GFPP-PG	3/8 inch Male NPT 3/8 inch OD Run Glass Filled Polypropylene NP
CMR-3838-K-PG	3/8 inch Male NPT 3/8 inch OD Run PVDF with Poly Gripper
CMR-3838-NPP-PG	3/8 inch Male NPT 3/8 inch OD Run Natural Polypropylene with Poly Gripper



## CFE SERIES- ELBOW FITTING

The CFE Series Compression to Female Pipe Thread Fittings is to Valves or Plastic Pipe Fittings for tube connection without kinking attached tubing. Available in NSF approved Glass-Filled White Polypropylene, FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon, and UV resistant FDA and NSF-rated PVDF. Provided with Poly gripper (except for 1/8 inch units) for use up to 220 psi.

SKU	Description
CFE-1814	1/8 FNPT by 1/4 OD Compression Elbow
CFE-1418	1/4 FNPT by 1/8 OD Compression Elbow
CFE-1414	1/4 FNPT by 1/4 OD Compression Elbow
CFE-14516	1/4 FNPT by 5/16 OD Compression Elbow
CFE-1438	1/4 FNPT by 3/8 OD Compression Elbow
CFE-3838	3/8 FNPT by 3/8 OD Compression Elbow
CFE-3812	3/8 FNPT by 1/2 OD Compression Elbow
CFE-1212	1/2 FNPT by 1/2 OD Compression Elbow
CFE-1258	1/2 FNPT by 5/8 OD Compression Elbow

## CF SERIES



The CF Series Compression Female Pipe Threads, 1/8 inch to 1/2 inch, with compression fittings ranging from 1/4 inch to 5/8 inch tube connection without kinking attached tubing. Available in NSF approved Glass-Filled White Polypropylene, FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon and UV resistant FDA and NSF-rated PVDF. Provided with Poly gripper (except for 1/8 inch units) for use up to 220 psi.

SKU	Description
CF-1212-AC-PG	1/2 inch OD by 1/2 inch Female Connector Acetal Compression with Poly Gripper
CF-1212-NN-PG	1/2 inch OD by 1/2 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-1212-PG	1/2 inch OD by 1/2 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-1212-PVDF-PG	1/2 inch OD by 1/2 inch Female Connector PVDF Compression with Poly Gripper
CF-1238-AC-PG	3/8 inch OD by 1/2 inch Female Connector Acetal Compression with Poly Gripper
CF-1238-GFPP-PG	3/8 inch OD by 1/2 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-1238-K-PG	3/8 inch OD by 1/2 inch Female Connector PVDF Compression with Poly Gripper
CF-1238-NN-PG	3/8 inch OD by 1/2 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-1258-AC-PG	5/8 inch OD by 1/2 inch Female Connector Acetal Compression with Poly Gripper
CF-1258-GFPP-PG	5/8 inch OD by 1/2 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-1258-PG	5/8 inch OD by 1/2 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-1258-PVDF-PG	5/8 inch OD by 1/2 inch Female Connector PVDF Compression with Poly Gripper
CF-1414	1/4 inch OD by 1/4 inch Female Connector Polypropylene Compression
CF-1414-AC-PG	1/4 inch OD by 1/4 inch Female Connector Acetal Compression with Poly Gripper
CF-1414-F257	1/4 inch OD by 1/4 inch Female Polypropylene Compression with thru hole
CF-1414-GFPP-PG	1/4 inch OD by 1/4 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-1414-K	1/4 inch OD by 1/4 inch Female Connector PVDF Compression



SKU	Description
CF-1414-K-PG	1/4 inch OD by 1/4 inch Female Connector PVDF Compression with Poly Gripper
CF-1414-NN-PG	1/4 inch OD by 1/4 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-1418-AC-PG	1/4 inch OD by 1/8 inch Female Connector Acetal Compression with Poly Gripper
CF-1418-GFPP-PG	1/4 inch OD by 1/8 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-1418-PG	1/4 inch OD by 1/8 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-1418-PVDF-PG	1/4 inch OD by 1/8 inch Female Connector PVDF Compression with Poly Gripper
CF-1438-AC-PG	3/8 inch OD by 1/4 inch Female Connector Acetal Compression with Poly Gripper
CF-1438-GFPP-PG	3/8 inch OD by 1/4 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-1438-K	3/8 inch OD by 1/4 inch Female Connector PVDF Compression
CF-1438-K-PG	3/8 inch OD by 1/4 inch Female Connector PVDF Compression with Poly Gripper
CF-1438-NN-PG	3/8 inch OD by 1/4 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-14516-AC-PG	5/16 OD by 1/4 inch Female Connector Acetal Compression with Poly Gripper
CF-14516-GFPP-PG	5/16 OD by 1/4 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-14516-NN-PG	5/16 OD by 1/4 inch Female Connector Natural Nylon Compression with Poly Gripper
CF-14516-PVDF-PG	5/16 OD by 1/4 inch Female Connector PVDF Compression with Poly Gripper
CF-1814-AC-PG	1/8 inch Female NPT by 1/4 inch OD Acetal Compression with Poly Gripper
CF-1814-GFPP-PG	1/8 inch Female NPT by 1/4 inch OD Glass-Filled Polypropylene Compression with Poly Gripper
CF-1814-K-PG	1/8 inch Female NPT by 1/4 inch OD PVDF Compression with Poly Gripper
CF-1814-NN-PG	1/8 inch Female NPT by 1/4 inch OD Natural Nylon Compression with Poly Gripper
CF-3812-AC-PG	1/2 inch OD by 3/8 inch Female Acetal Compression with Poly Gripper
CF-3812-GFPP-PG	1/2 inch OD by 3/8 inch Female Glass-Filled Polypropylene Compression with Poly Gripper
CF-3812-K-PG	1/2 inch OD by 3/8 inch Female PVDF Compression with Poly Gripper
CF-3812-NN-PG	1/2 inch OD by 3/8 inch Female Natural Nylon Compression with Poly Gripper
CF-3838	3/8 inch OD by 3/8 inch Female Connector Compression
CF-3838-AC-PG	3/8 inch OD by 3/8 inch Female Connector Acetal Compression with Poly Gripper

SKU	Description
CF-3838-GFPP-PG	3/8 inch OD by 3/8 inch Female Connector Glass-Filled Polypropylene Compression with Poly Gripper
CF-3838-K-PG	3/8 inch OD by 3/8 inch Female Connector PVDF Compression with Poly Gripper
CF-3838-NN-PG	3/8 inch OD by 3/8 inch Female Connector Natural Nylon Compression with Poly Gripper

## CE SERIES



The CE Series Plastic Compression Elbow Fittings are used to allow a 90-degree tube connection without kinking attached tubing. Available in NSF approved Glass-Filled White Polypropylene, FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon, and UV resistant FDA and NSF-rated PVDF. Provided with Poly gripper (except for 1/8 inch units) for use up to 220 psi.

SKU	Description
CE-12-K-PG	1/2 inch OD by 1/2 inch OD Elbow Compression PVDF Compression with Poly Gripper
CE-12-PG	1/2 inch OD by 1/2 inch OD Elbow Compression
CE-12-NN-PG	1/2 inch OD by 1/2 inch OD Elbow Compression Natural Nylon with Poly Gripper
CE-14	1/4 inch OD by 1/4 inch OD Elbow Compression Polypropylene
CE-14-K	1/4 inch OD by 1/4 inch OD PVDF
CE-14-K-PG	1/4 inch OD by 1/4 inch OD Elbow Compression PVDF with Poly Gripper
CE-14-PG	1/4 inch OD Elbow Compression Polypropylene with Poly Gripper
CE-14-NN-PG	1/4 inch OD Elbow Compression Natural Nylon with Poly Gripper
CE-38-K-PG	3/8 inch OD by 3/8 inch OD Elbow Compression PVDF with Poly Gripper
CE-38-PG	3/8 inch OD by 3/8 inch OD Elbow Compression Natural Nylon with Poly Gripper
CE-3814-K	3/8 inch OD by 1/4 inch OD Elbow Compression PVDF
CE-3814-NN	3/8 inch OD by 1/4 inch OD Elbow Compression Natural Nylon
CE-516-K-PG	5/16 inch OD by 5/16 inch OD Elbow Compression PVDF with Poly Gripper
CE-516-PG	5/16 inch OD by 5/16 inch OD Elbow Compression Natural Nylon with Poly Gripper

SKU	Description
CE-58-PG	5/8 inch OD by 5/8 inch OD Elbow Compression Natural Nylon with Poly Gripper
CE-58-PVDF-PG	5/8 inch OD by 5/8 inch OD Elbow Compression PVDF with Poly Gripper
CE-78-PG	7/8 inch OD by 7/8 inch OD Elbow Compression Natural Nylon with Poly Gripper
<b>CE-78-PVDG-PG</b>	<b>7/8 inch OD by 7/8 inch OD Elbow Compression PVDF with Poly Gripper</b>



## CC SERIES

The CC Series is a straight Compression connector for tubing OD of 1/8 inch to 7/8 inch. It is available in Acetal, Nylon, Polypropylene, and PVDF with either poly grippers or ferrule nuts. It is also available in several reduced sizes.

SKU	Description
CC-12-AC	1/2 inch OD by 1/2 inch OD Connector Acetal Compression
CC-12-GFPP	1/2 inch OD by 1/2 inch OD Connector Glass-Filled Polypropylene Compression
CC-12-K-PG	1/2 inch OD by 1/2 inch OD Connector PVDF Compression with Poly Gripper
CC-12-NN	1/2 inch OD by 1/2 inch OD Connector Natural Nylon Compression
CC-12-PG	1/2 inch OD by 1/2 inch OD Connector with Poly Gripper
CC-12-P-PG	1/2 inch OD by 1/2 inch OD Connector w with Poly Gripper
CC-1238-AC	1/2 inch OD by 3/8 inch OD Reducer Acetal Compression
CC-1238-GFPP	1/2 inch OD by 3/8 inch OD Reducer Glass-Filled Polypropylene Compression
CC-1238-NN	1/2 inch OD by 3/8 inch OD Reducer Natural Nylon Compression
CC-1238-PVDF	1/2 inch OD by 3/8 inch OD Reducer PVDF Compression
CC-14	1/4 inch OD by 1/4 inch OD Connector Compression
CC-14-AC-PG	1/4 inch OD by 1/4 inch OD Connector Acetal Compression with Poly Gripper
CC-14-GFPP-PG	1/4 inch OD by 1/4 inch OD Connector Glass-Filled Polypropylene Compression with Poly Gripper
CC-14-K-PG	1/4 inch OD by 1/4 inch OD Connector PVDF Compression with Poly Gripper

SKU	Description
CC-14-NN-PG	1/4 inch OD by 1/4 inch OD Connector Natural Nylon Compression with Poly Gripper
CC-14-PG	1/4 inch OD by 1/4 inch OD Connector with Poly Gripper
CC-1418	1/4 inch OD by 1/8 inch OD Reducing Compression
CC-1418-PVDF-PG	1/4 inch OD by 1/8 inch OD Reducing PVDF Compression with Poly Gripper
CC-1418-GFPP-PG	1/4 inch OD by 1/8 inch OD Reducing Glass-Filled Polypropylene Compression with Poly Gripper
CC-1418-NN-PG	1/4 inch OD by 1/8 inch OD Reducing Natural Nylon Compression with Poly Gripper
CC-1418-AC-PG	1/4 inch OD by 1/8 inch OD Reducing Acetal Compression with Poly Gripper
CC-18-B	1/8 inch OD Brass Compression Union
CC-34-AC-PG	3/4 inch OD by 3/4 inch OD Connector Acetal Compression with Poly Gripper
CC-34-GFPP-PG	3/4 inch OD by 3/4 inch OD Connector Glass-Filled Polypropylene Compression with Poly Gripper
CC-34-NN-PG	3/4 inch OD by 3/4 inch OD Connector Natural Nylon Compression with Poly Gripper
CC-34-PG	3/4 inch OD by 3/4 inch OD Connector PVDF Compression with Poly Gripper
CC-38-AC-PG	3/8 inch OD by 3/8 inch OD Connector Acetal Compression with Poly Gripper
CC-38-GFPP-PG	3/8 inch OD by 3/8 inch OD Connector Glass-Filled Polypropylene Compression with Poly Gripper
CC-38-K-PG	3/8 inch OD by 3/8 inch OD Connector PVDF Compression with Poly Gripper
CC-38-NN-PG	3/8 inch OD by 3/8 inch OD Connector Natural Nylon Compression with Poly Gripper
CC-38-PG	3/8 inch OD by 3/8 inch OD Connector Compression
CC-3814-AC-PG	3/8 inch OD by 1/4 inch OD Reducing Acetal Compression with Poly Gripper
CC-3814-GFPP-PG	3/8 inch OD by 1/4 inch OD Reducing Glass-Filled Polypropylene Compression with Poly Gripper
CC-3814-K	3/8 inch OD by 1/4 inch OD Reducer PVDF Compression
CC-3814-NN-PG	3/8 inch OD by 1/4 inch OD Reducing Natural Nylon Compression with Poly Gripper
CC-3814-PG	3/8 inch OD by 1/4 inch OD Reducing PVDF Compression with Poly Gripper
CC-4F	1/4 inch Female Connector Natural Nylon Compression
CC-4F-PP	1/4 inch FNPT Glass-Filled Polypropylene Compression
CC-516-AC-PG	5/16 inch OD by 5/16 inch OD Connector Acetal Compression with Poly Gripper
CC-516-GFPP-PG	5/16 inch OD by 5/16 inch OD Connector Glass-Filled Polypropylene Compression with Poly Gripper
CC-516-K-PG	5/16 inch OD by 5/16 inch OD Connector PVDF Compression with Poly Gripper

SKU	Description
CC-516-NN-PG	5/16 inch OD by 5/16 inch OD Connector Natural Nylon Compression with Poly Gripper
CC-516-PG	5/16 inch OD by 5/16 inch OD Connector Compression with Poly Gripper
CC-51614-AC-PG	5/16 inch OD by 1/4 inch OD Reducing Acetal Compression with Poly Gripper
CC-51614-GFPP-PG	5/16 inch OD by 1/4 inch OD Reducing Glass-Filled Polypropylene Compression with Poly Gripper
CC-51614-NN-PG	5/16 inch OD by 1/4 inch OD Reducing Natural Nylon Compression with Poly Gripper
CC-51614-PG	5/16 inch OD by 1/4 inch OD Reducing
CC-51614-PVDF-PG	5/16 inch OD by 1/4 inch OD Reducing PVDF Compression with Poly Gripper
CC-58-AC-PG	5/8 inch OD by 5/8 inch OD Connector Acetal Compression with Poly Gripper
CC-58-GFPP-PG	5/8 inch OD by 5/8 inch OD Connector Glass-Filled Polypropylene Compression with Poly Gripper
CC-58-K-PG	5/8 inch OD by 5/8 inch OD Connector PVDF Compression with Poly Gripper
CC-58-NN-PG	5/8 inch OD by 5/8 inch OD Connector Natural Nylon Compression with Poly Gripper
CC-58-PG	5/8 inch OD by 5/8 inch OD Connector with Poly Gripper
CC-5812-AC-PG	5/8 inch OD by 1/2 inch OD Reducing Acetal Compression with Poly Gripper
CC-5812-GFPP-PG	5/8 inch OD by 1/2 inch OD Reducing Glass-Filled Polypropylene Compression with Poly Gripper
CC-5812-NN-PG	5/8 inch OD by 1/2 inch OD Reducing Natural Nylon Compression with Poly Gripper
CC-5812-PG	5/8 inch OD by 1/2 inch OD Reducing with Poly Gripper Compression
CC-5812-PVDF-PG	5/8 inch OD by 1/2 inch OD Reducing PVDF Compression with Poly Gripper
CC-5838-AC-PG	5/8 inch OD by 1/8 inch OD Reducing Acetal Compression with Poly Gripper
CC-5838-GFPP-PG	5/8 inch OD by 1/8 inch OD Reducing Glass-Filled Polypropylene Compression with Poly Gripper
CC-5838-NN-PG	5/8 inch OD by 1/8 inch OD Reducing Natural Nylon Compression with Poly Gripper
CC-5838-PG	5/8 inch OD by 1/8 inch OD Reducing Compression with Poly Gripper
CC-5838-PVDF-PG	5/8 inch OD by 1/8 inch OD Reducing PVDF Compression with Poly Gripper
CC-78-AC-PG	7/8 inch OD by 7/8 inch OD Connector Acetal Compression with Poly Gripper
CC-78-GFPP-PG	7/8 inch OD by 7/8 inch OD Connector Glass-Filled Polypropylene Compression with Poly Gripper
CC-78-NN-PG	7/8 inch OD by 7/8 inch OD Connector Natural Nylon Compression with Poly Gripper

SKU	Description
CC-78-PG	7/8 inch OD by 7/8 inch OD Connector Compression with Poly Gripper
CC-78-PVDF-PG	7/8 inch OD by 7/8 inch OD Connector PVDF Compression with Poly Gripper
CC-7858-AC-PG	7/8 inch OD by 5/8 inch OD Reducing Acetal Compression with Poly Gripper
CC-7858-GFPP-PG	7/8 inch OD by 5/8 inch OD Reducing Glass-Filled Polypropylene Compression with Poly Gripper
CC-7858-NN-PG	7/8 inch OD by 5/8 inch OD Reducing Natural Nylon Compression with Poly Gripper
CC-7858-PG	7/8 inch OD by 5/8 inch OD Reducing Compression with Poly Gripper
CC-7858-PVDF-PG	7/8 inch OD by 5/8 inch OD Reducing PVDF Compression with Poly Gripper



## CB SERIES

The CB Series Compression Bulkheads allow Air or Fluid lines to be passed through walls for a clean connection for use with tubing ranges of 1/4 inch to 7/8 inch Outside Diameter in tanks and service lines. Available in NSF approved Glass-Filled White Polypropylene, FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon and UV resistant FDA and NSF-rated PVDF. Provided with Poly gripper (except for 1/8 inch units) for use up to 220 psi.

SKU	Description
CB-12-GFPP	1/2 inch OD Glass-Filled Polypropylene Bulkhead
CB-12-KO	1/2 inch OD PVDF Bulkhead
CB-12-PG	1/2 inch OD Polypropylene Bulkhead with Gripper
CB-14-GFPP	1/4 inch OD Glass-Filled Polypropylene Bulkhead
CB-14-K	1/4 inch OD PVDF Bulkhead
CB-14-PG	1/4 inch OD Polypropylene Bulkhead with Gripper
CB-1814R-AC	1/4 inch Short with 1/8 Cap Acetal Bulkhead
CB-1814R-GFPP	1/4 inch Short with 1/8 Cap Polypropylene Bulkhead
CB-1814R-K	1/4 inch Short with 1/8 Cap PVDF Bulkhead
CB-1814R-NN	1/4 inch Short with 1/8 Cap Natural Nylon Bulkhead
CB-34-AC	3/4 inch OD Acetal Bulkhead

SKU	Description
CB-34-GFPP	3/4 inch OD Glass-Filled Polypropylene Bulkhead
CB-34-K	3/4 inch OD PVDF Bulkhead
CB-34-NN	3/4 inch OD Natural Nylon Bulkhead
CB-34-PG	3/4 inch OD Glass-Filled Polypropylene Bulkhead with Gripper
CB-38-GFPP	3/8 inch OD Glass-Filled Polypropylene Bulkhead
CB-38-K	3/8 inch OD PVDF Bulkhead
CB-38-PG	3/8 inch OD Polypropylene Bulkhead with Gripper
CB-516-GFPP	5/16 inch OD Glass-Filled Polypropylene Bulkhead
CB-516-K	5/16 inch OD PVDF Bulkhead
CB-516-PG	5/16 inch OD Polypropylene Bulkhead with Gripper
CB-78-AC	7/8 inch OD Acetal Bulkhead
CB-78-GFPP	7/8 inch OD Glass-Filled Polypropylene Bulkhead
CB-78-K	7/8 inch OD PVDF Bulkhead
CB-78-NN	7/8 inch OD Natural Nylon Bulkhead
CB-78-PG	7/8 inch OD Polypropylene Bulkhead with Gripper



## CA SERIES- COMPRESSION FITTING

The CA Series is a Male Straight Pipe Compression Fittings. This allows the tubing to be connected to Pipes, Valves, and Manifolds for attaching Tube lines. Available for 1/8" to 7/8" tubing and Male NPT 1/8" to 3/4" tube connection without kinking attached tubing. The Fittings are also available in FDA and NSF approved Acetal (POM) for use with hot water applications, FDA and NSF approved Nylon, and UV resistant FDA and NSF-rated PVDF. In addition, the CA Series is provided with a Poly gripper (except for 1/8 inch units) for up to 220 psi.

SKU	Descriptions
CA-1212-AC-PG	1/2 inch MNPT by 1/2 inch OD Acetal Compression Fitting with Poly Gripper
CA-1212-K-PG	1/2 inch MNPT by 1/2 inch OD PVDF Compression Fitting with Poly Gripper
CA-1212-NN-PG	1/2 inch MNPT by 1/2 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1212-PG	1/2 inch MNPT by 1/2 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-1234-AC-PG	1/2 inch MNPT by 3/4 inch OD Acetal Compression Fitting with Poly Gripper

SKU	Descriptions
CA-1234-NN-PG	1/2 inch MNPT by 3/4 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1234-PG	1/2 inch MNPT by 3/4 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-1234-PVDF-PG	1/2 inch MNPT by 3/4 inch OD PVDF Compression Fitting with Poly Gripper
CA-1238-AC-PG	1/2 inch MNPT by 3/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-1238-K-PG	1/2 inch MNPT by 3/8 inch OD PVDF Compression Fitting with Poly Gripper
CA-1238-NN-PG	1/2 inch MNPT by 3/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1238-PG	1/2 inch MNPT by 3/8 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-12516-AC-PG	1/2 inch MNPT by 5/16 inch OD Acetal Compression Fitting with Poly Gripper 2 piece unit
CA-12516-NN-PG	1/2 inch MNPT by 5/16 inch OD Natural Nylon Compression Fitting with Poly Gripper 2 piece unit
CA-12516-PVDF-PG	1/2 inch MNPT by 5/16 inch OD PVDF Compression Fitting with Poly Gripper 2 piece unit
CA-1258-AC-PG	1/2 inch MNPT by 5/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-1258-NN-PG	1/2 inch MNPT by 5/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1258-PG	1/2 inch MNPT by 5/8 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-1258-PVDF-PG	1/2 inch MNPT by 5/8 inch OD PVDF Compression Fitting with Poly Gripper
CA-1412-AC-PG	1/4 inch MNPT by 1/2 inch OD Acetal Compression Fitting with Poly Gripper
CA-1412-K-PG	1/4 inch MNPT by 1/2 inch OD PVDF Compression Fitting with Poly Gripper
CA-1412-NN-PG	1/4 inch MNPT by 1/2 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1412-PG	1/4 inch MNPT by 1/2 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-1414	1/4 inch MNPT by 1/4 inch OD Polypropylene Compression Fitting with O-Ring
CA-1414-AC-PG	1/4 inch MNPT by 1/4 inch OD Acetal Compression Fitting with Poly Gripper
CA-1414-K-PG	1/4 inch MNPT by 1/4 inch OD PVDF Compression Fitting with Poly Gripper
CA-1414-NN-PG	1/4 inch MNPT by 1/4 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1438-AC-PG	1/4 inch MNPT by 3/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-1438-K-PG	1/4 inch MNPT by 3/8 inch OD PVDF Compression Fitting with Poly Gripper



SKU	Descriptions
CA-1438-NN-PG	1/4 inch MNPT by 3/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-14516	1/4 inch MNPT by 5/16 inch OD Polypropylene Compression Fitting with O-Ring
CA-14516-AC-PG	1/4 inch MNPT by 5/16 inch OD Acetal Compression Fitting with Poly Gripper
CA-14516-PP-PG	1/4 inch MNPT by 5/16 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-14516-K-PG	1/4 inch MNPT by 5/16 inch OD PVDF Compression Fitting with Poly Gripper
CA-14516-NN-PG	1/4 inch MNPT by 5/16 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1812-AC-PG	1/8 inch MNPT by 1/2 inch OD Acetal Compression Fitting with Poly Gripper
CA-1812-NN-PG	1/8 inch MNPT by 1/2 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1812-PVDF-PG	1/8 inch MNPT by 1/2 inch OD PVDF Compression Fitting with Poly Gripper
CA-1814-PP	1/8 inch MNPT by 1/4 inch OD Polypropylene Compression Fitting with O-Ring
CA-1814-K	1/8 inch MNPT by 1/4 inch OD PVDF Compression Fitting with O-Ring
CA-1814-K-PG	1/8 inch MNPT by 1/4 inch OD PVDF Compression Fitting with Poly Gripper
CA-1818-PP	1/8 inch MNPT by 1/8 inch OD Polypropylene Compression Fitting with O-Ring
CA-1818-AC-PG	1/8 inch MNPT by 1/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-1818-K	1/8 inch MNPT by 1/8 inch OD PVDF Compression Fitting with O-Ring
CA-1818-NN-PG	1/8 inch MNPT by 1/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-1838-AC-PG	1/8 inch MNPT by 3/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-1838-K-PG	1/8 inch MNPT by 3/8 inch OD PVDF Compression Fitting with Poly Gripper
CA-1838-NN-PG	1/8 inch MNPT by 3/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3434-AC-PG	3/4 inch MNPT by 3/4 inch OD Acetal Compression Fitting with Poly Gripper
CA-3434-NN-PG	3/4 inch MNPT by 3/4 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3434-PVDF-PG	3/4 inch MNPT by 3/4 inch OD PVDF Compression Fitting with Poly Gripper
CA-3478-AC-PG	3/4 inch MNPT by 7/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-3478-NN-PG	3/4 inch MNPT by 7/8 inch OD Natural Nylon Compression Fitting with Poly Gripper

SKU	Descriptions
CA-3478-PVDF-PG	3/4 inch MNPT by 7/8 inch OD PVDF Compression Fitting with Poly Gripper
CA-3812-AC-PG	3/8 inch MNPT by 1/2 inch OD Acetal Compression Fitting with Poly Gripper
CA-3812-K-PG	3/8 inch MNPT by 1/2 inch OD PVDF Compression Fitting with Poly Gripper
CA-3812-NN-PG	3/8 inch MNPT by 1/2 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3814-AC-PG	3/8 inch MNPT by 1/4 inch OD Acetal Compression Fitting with Poly Gripper
CA-3814-K-PG	3/8 inch MNPT by 1/4 inch OD PVDF Compression Fitting with Poly Gripper
CA-3814-NN-PG	3/8 inch MNPT by 1/4 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3814-PP-PG	3/8 inch MNPT by 1/4 inch OD Polypropylene Compression Fitting with Gripper
CA-3838-AC-PG	3/8 inch MNPT by 3/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-3838-K-PG	3/8 inch MNPT by 3/8 inch OD PVDF Compression Fitting with Poly Gripper
CA-3838-NN-PG	3/8 inch MNPT by 3/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3838-PP-PG	3/8 inch MNPT by 3/8 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-38516-AC-PG	3/8 inch MNPT by 5/16 inch OD Acetal Compression Fitting with Poly Gripper
CA-38516-K-PG	3/8 inch MNPT by 5/16 inch OD PVDF Compression Fitting with Poly Gripper
CA-38516-NN-PG	3/8 inch MNPT by 5/16 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3858-AC-PG	3/8 inch MNPT by 5/8 inch OD Acetal Compression Fitting with Poly Gripper
CA-3858-NN-PG	3/8 inch MNPT by 5/8 inch OD Natural Nylon Compression Fitting with Poly Gripper
CA-3858-PP-PG	3/8 inch MNPT by 5/8 inch OD Polypropylene Compression Fitting with Poly Gripper
CA-3858-PVDF-PG	3/8 inch MNPT by 5/8 inch OD PVDF Compression Fitting with Poly Gripper

## PNV SERIES



The PNV Series Needle Valves are PVC with EPDM Seals, Polypropylene with FKM Seals, or PVDF with PTFE Seals—maximum pressure of 125 psi. Standard 2.5-degree needle, others are available.

SKU	Description
PNV-2C	1/8 Compression Needle Valve
PNV-2F	1/8 Female Needle Valve
PNV-2M	1/8 Male Needle Valve
PNV-4B	1/4 Barb Needle Valve
PNV-4C	1/4 Compression Needle Valve
PNV-4F	1/4 Female Needle Valve
PNV-4M	1/4 Male Needle Valve
PNV-4P	1/4 Push-to-Connect Needle Valve
PNV-5B	5/16 Barb Needle Valve
PNV-6B	3/8 Barb Needle Valve
PNV-6P	3/8 Push-to-Connect Needle Valve
PNV-8B	1/2 Barb Needle Valve

## NVC SERIES



The NVC Series Acetal Push-to-Connect Needle Valve is designed for precision and reliability. Featuring a nickel-plated needle, this valve ensures reliable performance and continuance in various applications. Additionally, the NVC Series offers an elbow configuration, providing flexibility and ease of installation in tight spaces. Whether you need a straight or elbow configuration, this needle valve is a great choice for your fluid control needs.

SKU	Description
NVC-04-MFL-FFL	1/4 inch Flare Male to Female Stainless Steel Needle Valve
NVC-4	1/4 inch OD Needle Valve
NVC-6	3/8 inch OD Needle Valve

## PJV SERIES



The PJV Series Micro Ball Valves are of Polypropylene and reinforced fiberglass with a 90-degree rotating handle and FKM O-rings. The standard pressure is 150 psi with a maximum temperature of 150° with a maximum pressure of 300 psi at 70° F.

SKU	Description
PJV-38B	3/8 inch Barbed Glass-Filled Polypropylene Micro Ball Valve with FKM Seals
PJV-38F	3/8 inch Female Glass-Filled Polypropylene Micro Ball Valve with FKM Seals
PJV-4F4M	1/4 inch Female by 1/4 inch Male
PJV-4B	1/4 inch Barbed Polypropylene Micro Ball Valve
PJV-6F6M	3/8 inch Female by 3/8 inch Male Polypropylene Micro Ball Valve
PJV-6B	3/8 inch Barbed Polypropylene Micro Ball Valve
PJV-8F8M	1/2 inch Female by 1/2 inch Male Polypropylene Micro Ball Valve
PJV-8B	1/2 inch Barbed Polypropylene Micro Ball Valve
PJV-12B	1/2 inch Barbed Polypropylene Micro Ball Valve

## BRS SERIES



The BRS Series compact PVC quarter-turn shut-off Ball Valves with PTFE sets and EPDM O-ring seals are used in industrial and plumbing applications. Available in schedule 80 (gray) and schedule 40 (white). Sizes range from 1/2 inch to 2 inches.

SKU	Description
BRS-12F	1/2 inch Female PVC Ball Valve
BRS-34F	3/4 inch Female PVC Ball Valve
BRS-1F	1 inch Female PVC Ball Valve
BRS-114F	1-1/4 inch Female PVC Ball Valve

SKU	Description
BRS-112F	1-1/2 inch Female PVC Ball Valve
BRS-2F	2 inch Female PVC Ball Valve

## LRH SERIES



The LRH Series Two-Way Ball Valves are made from PVC or ABS plastic with a 7 CV Flow and 125 psi with Buna seals standard. (one-way valve is optional)

SKU	Description
LRH-MGH8M	3/4 inch Male GHT by 1/2 inch NPT Ball Valve
LRH-MGMG	3/4 inch MGHT by Male GHT Ball Valve
LRH-8F8M	1/2 inch Female NPT by 1/2 inch Male NPT Ball Valve
LRH-12F12M	3/4 inch Female NPT by 3/4 inch Male NPT Ball Valve
LRH-8SMG	1/2 inch Socket by MGH Ball Valve
LRH-12SMG	3/4 inch Socket by MGH Ball Valve

## PKV SERIES



The PKV Series is a Polypropylene Ball Valve with Push-to-Connect connections and EPDM seals. Not suitable for vacuum, air, or inert gases.

SKU	Description
PKV-14	1/4 inch OD Push-in Shut-off Ball Valve
PKV-38	3/8 inch OD Push-in Shut-off Ball Valve
PKV-4M14	1/4 inch Male NPT by 1/4 inch OD Ball Valve
PKV-4F14E	1/4 inch Female NPT by 1/4 inch OD Elbow Ball Valve
PKV-4F38E	1/4 inch Female NPT by 3/8 OD Elbow Ball Valve



## EBVA SERIES

The EBV Series One-Way single-direction Flow Ball Valve is made of PVC with standard Buna seals. Maximum pressure 125 psi and 140 degrees F and a thru-hole of .437 used for air, water, gas, oxygen, and refrigeration applications. (not for vacuum)

SKU	Description
EBVA-4B	1/4 Barb Ball Valve
EBVA-6B	3/8 Barb Ball Valve
EBVA-8B	1/2 Barb Ball Valve
EBVA-4F	1/4 MNPT Ball Valve
EBVA-6F	3/8 FNPT Ball Valve
EBVA-8F	1/2 FNPT Ball Valve
EBVA-4F-4B	1/4 FNPT by 1/4 Barb Ball Valve
EBVA-6F-6B	3/8 FNPT by 3/8 Barb Ball Valve
EBVA-8F-8B	1/2 FNPT by 1/2 Barb Ball Valve
EBVA-4M	1/4 MNPT Ball Valve
EBVA-6M	3/8 MNPT Ball Valve
EBVA-8M	1/2 MNPT Ball Valve
EBVA-4M-4B	1/4 MNPT by 1/4 Barb Ball Valve
EBVA-6M-6B	3/8 MNPT by 3/8 Barb Ball Valve
EBVA-8M-8B	1/2 MNPT by 1/2 Barb Ball Valve
EBVA-4P-4B	1/4 Push-to-Connect by 1/4 Barb Ball Valve
EBVA-6P-6B	3/8 Push-to-Connect by 3/8 Barb Ball Valve
EBVA-8P-8B	1/2 Push-to-Connect by 1/2 Barb Ball Valve
EBVA-4C-4B	1/4 Compression by 1/4 Barb Ball Valve
EBVA-6C-6B	3/8 Compression by 3/8 Barb Ball Valve
EBVA-8C-8B	1/2 Compression by 1/2 Barb Ball Valve

## EBV SERIES



The EBV Series One-Way single-direction Flow 90-degree Ball Valve is made of PVC with standard Buna seals. Maximum pressure 125 psi and 140 degrees F and a thru-hole of .437 used for air, water, gas, oxygen, and refrigeration applications. (not for vacuum)

SKU	Description
EBV-4B	1/4 Barb Ball Valve
EBV-6B	3/8 Barb Ball Valve
EBV-8B	1/2 Barb Ball Valve
EBV-4F	1/4 FNPT Ball Valve
EBV-6F	3/8 FNPT Ball Valve
EBV-8F	1/2 FNPT Ball Valve
EBV-4F-4B	1/4 FNPT by 1/4 Barb Ball Valve
EBV-6F-6B	3/8 FNPT by 3/8 Barb Ball Valve
EBV-8F-8B	1/2 FNPT by 1/2 Barb Ball Valve
EBV-4M	1/4 MNPT Ball Valve
EBV-6M	3/8 MNPT Ball Valve
EBV-8M	1/2 MNPT Ball Valve
EBV-4M-4B	1/4 MNPT by 1/4 Barb Ball Valve
EBV-6M-6B	3/8 MNPT by 3/8 Barb Ball Valve
EBV-8M-8B	1/2 MNPT by 1/2 Barb Ball Valve
EBV-4P-4B	1/4 Push-to-Connect by 1/4 Barb Ball Valve
EBV-6P-6B	3/8 Push-to-Connect by 3/8 Barb Ball Valve
EBV-8P-8B	1/2 Push-to-Connect by 1/2 Barb Ball Valve
EBV-4C-4B	1/4 Comp by 1/4 Barb Ball Valve
EBV-6C-6B	3/8 Comp by 3/8 Barb Ball Valve
EBV-8C-8B	1/2 Comp by 1/2 Barb Ball Valve



## PBV6 2 SERIES

The PBV6 Series is a Two-way two directional 3/8 inch Flow Panel Mount Ball Valve made of NSF-approved PVC, Polypropylene, or Nylon and designed to promote multiple configurations. Used for air, water, beverage, and chemical applications.

SKU	Definition
PBV6-4F	3/8 Flow 1/4 FNPT PVC Ball Valve
PBV6-6F	3/8 Flow 3/8 FNPT PVC Ball Valve
PBV6-8F	3/8 Flow 1/2 FNPT PVC Ball Valve
PBV6-2M	3/8 Flow 1/8 MNPT PVC Ball Valve
PBV6-4M	3/8 Flow 1/4 MNPT PVC Ball Valve
PBV6-6M	3/8 Flow 3/8 MNPT PVC Ball Valve
PBV6-8M	3/8 Flow 1/2 MNPT PVC Ball Valve
PBV6-2B	3/8 Flow 1/8 Barb PVC Ball Valve
PBV6-4B	3/8 Flow 1/4 Barb PVC Ball Valve
PBV6-6B	3/8 Flow 3/8 Barb PVC Ball Valve
PBV6-8B	3/8 Flow 1/2 Barb PVC Ball Valve
PBV6-4PI	3/8 Flow 1/4 Push-to-Connect PVC Ball Valve
PBV6-6PI	3/8 Flow 3/8 Push-to-Connect PVC Ball Valve
PBV6-8PI	3/8 Flow 1/2 Push-to-Connect PVC Ball Valve
PBV6-4C	3/8 Flow 1/4 Compression PVC Ball Valve





## MBR SERIES

The MBR Panel Mounting Bulkhead Series Nylon, Polypropylene, or PVDF in 10-32 or 1/4-28 UNF Threads. All Bulkheads are listed showing the outside panel first with the second being on the inside of the panel.

SKU	Description
MBR10-1B332B	10-32 1/16 Barb by 3/32 Barb Bulkhead
MBR10-1B	10-32 1/16 Barb by 1/16 Barb Bulkhead
MBR10-332B	10-32 3/32 Barb by 3/32 Barb Bulkhead
MBR14-1B2B	1/4-28 1/16 Barb by 1/8 Barb Bulkhead
MBR14-2B	1/4-28 1/8 Barb by 1/8 Barb Bulkhead
MBR14-332B2B	1/4-28 3/32 Barb by 1/8 Barb Bulkhead



## MBFL SERIES

Equal and reducing Bulkhead Elbows with a flange and NPS threads. First Barb's size is on the outside of the panel the second is inside the panel. Available in Black Nylon, Natural Nylon, Polypropylene, and PVDF. Thread sizes for the bulkheads are UNF 10-32, 1/4-28 and 5/16-24. NPS thread sizes are 1/8" and 1/4". Barb sizes are 3/32", 1/8", 5/32", 3/16" and 1/4". (order as NN, PP, PVDF) Extra long version is shown.

SKU	Description
MBFL-1032-332B	10-32 3/32 by 3/32 Bulkhead Elbow
MBFL-1032-1B32B	10-32 1/16 by 1/8 Bulkhead Elbow Reducer
MBFL-1428-2B	1/4-28 1/8 by 1/8 Bulkhead Elbow
MBFL-1428-1B2B	1/4-28 1/16 by 1/8 Bulkhead Elbow Reducer
MBFL-1428-332B2B	1/4-28 3/32 by 1/8 Bulkhead Elbow Reducer
MBFL-516-332B532B	5/16-24 UNF 3/32 by 5/32 Bulkhead Elbow Reducer
MBFL-516-532	5/16-24 5/32 by 5/32 Bulkhead Elbow
MBFL-516-2B552B	1/8 NPS 3/16 by 1/4 Bulkhead Elbow Reducer

SKU	Description
MBFL-2M-4B	1/8 NPS 1/4 by 1/4 Bulkhead Elbow
MBFL-2M-332B4B	1/8 NPS 3/32 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-2B4B	1/8 NPS 1/8 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-532B4B	1/8 NPS 5/32 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-3B4B	1/8 NPS 3/16 by 1/4 Bulkhead Elbow Reducer
MBFL-2M-532B4B	1/8 NPS 5/32 by 1/4 Bulkhead Elbow Reducer
MBFL-4M-4B	1/4 NPS 1/4 by 1/4 Bulkhead Elbow
MBFL-4M-2B4B	1/4 NPS 1/8 by 1/4 Bulkhead Elbow Reducer
MBFL-4M-332B4B	1/4 NPS 3/32 by 1/4 Bulkhead Elbow Reducer
MBFL-4M-532B4B	1/4 NPS 5/32 by 1/4 Bulkhead Elbow Reducer

## MBF SERIES- PANEL MOUNT BULKHEAD

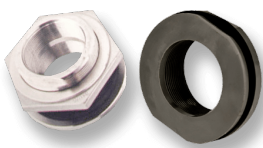


The MBF Series are bulkheads with panel mountings of 5/16-24 UNF threads, 1/8" and 1/4" NPS threads, and a mounting flange. The first barb size is outside the panel, and the second is on the inside. In addition, the MBF Series is available in Black Nylon, Natural Nylon, Polypropylene, and PVDF. Barb sizes are 1/16", 3/32", 1/8", 5/32", 3/16" and 1/4". (order as BN, NN, PP, PVDF)

SKU	Description
MBF2-1B3B	1/8 NPS-1/16 by 3/16 Bulkhead
MBF2-1B4B	1/8 NPS-1/16 by 1/4 Bulkhead
MBF2-2B3B	1/8 NPS-1/8 by 3/16 Bulkhead
MBF2-2B4B	1/8 NPS-1/8 by 1/4 Bulkhead
MBF2-3323B	1/8 NPS-3/32 by 3/16 Bulkhead
MBF2-3B	1/8 NPS-3/16 by 3/16 Bulkhead
MBF2-3B4B	1/8 NPS-3/16 by 1/4 Bulkhead
MBF2-4B	1/8 NPS-1/4 by 1/4 Bulkhead
MBF2-532B3B	1/8 NPS-5/32 by 3/16 Bulkhead
MBF2-532B4B	1/8 NPS-5/32 by 1/4 Bulkhead
MBF4-1B3B	1/4 NPS-1/16 by 3/16 Bulkhead
MBF4-1B4B	1/4 NPS-1/16 by 1/4 Bulkhead
MBF4-2B3B	1/4 NPS-1/8 by 3/16 Bulkhead
MBF4-2B4B	1/4 NPS-1/8 by 1/4 Bulkhead
MBF4-332B3B	1/4 NPS-3/32 by 3/16 Bulkhead

SKU	Description
MBF4-332B4B	1/4 NPS-3/32 by 1/4 Bulkhead
MBF4-3B4B	1/4 NPS-3/16 by 1/4 Bulkhead
MBF4-3B	1/4 NPS-3/16 by 3/16 Bulkhead
MBF4-4B4B	1/4 NPS-1/4 by 1/4 Bulkhead
MBF4-4B516B	1/4 NPS-1/4 by 5/16 Bulkhead
MBF4-4B6B	1/4 NPS-1/4 by 3/8 Bulkhead
MBF4-516B6B	1/4 NPS-5/16 by 3/8 Bulkhead
MBF4-532B3B	1/4 NPS-5/32 by 3/16 Bulkhead
MBF4-532B4B	1/4 NPS-5/32 by 1/4 Bulkhead
MBF4-5B5B	1/4 NPS-5/16 by 5/16 Bulkhead
MBF4-6B6B	1/4 NPS-3/8 by 3/8 Bulkhead
MBF516-1B332B	5/16-24 UNF 1/16 by 3/32 Bulkhead
MBF516-1B3B	5/16-24 UNF 1/16 by 3/16 Bulkhead
MBF516-2B3B	5/16-24 UNF 1/8 by 3/16 Bulkhead
MBF516-2B532B	5/16-24 UNF 1/8 by 3/32 Bulkhead
MBF516-332B3B	5/16-24 UNF 3/32 by 3/16 Bulkhead
MBF516-332B532B	5/16-24 UNF 3/32 by 5/32 Bulkhead
MBF516-3B	5/16-24 UNF 3/16 by 3/16 Bulkhead
MBF516-532	5/16-24 UNF 5/32 by 5/32 Bulkhead

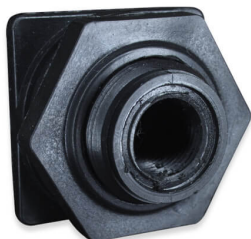
## BLSS SERIES



The BLSS Series is a Stainless Steel Bulkhead in sizes ranging from 3/4 inch to 3 inches with either an EPDM or FKM gasket.

SKU	Description
BLSS-12	3/4 FNPT 316 Stainless Steel Bulkhead
BLSS-24	1-1/2 inch FNPT 316 Stainless Steel Bulkhead with EPDM Gasket
BLSS-32	2 inch FNPT 316 Stainless Steel Bulkhead with EPDM Gasket
BLSS-40	1-1/2 inch FNPT 316 Stainless Steel Bulkhead
BLSS-48	3 inch FNPT 316 Stainless Steel Bulkhead with EPDM Gasket

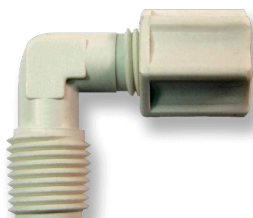
## BHF SERIES



The BHF Series Bulkheads are made of Black Polypropylene ranging from 1/2 inch to 4-inch Female NPT sizes with 3/16 inch Santoprene Seals.

SKU	Description
BHF-12	1/2 inch Female Polypropylene Bulkhead
BHF-16	1 inch Female Polypropylene Bulkhead
BHF-34	3/4 inch Female Polypropylene Bulkhead

## CME SERIES



The CME Series are Male NPT Compression Fittings to an OD Elbow configuration. Use for Manifolds, Valves, Regulators, or mechanical instruments. They are molded of either Glass-Filled White polypropylene, NSF-approved FDA-approved Acetal for use with hot water applications, NSF-approved FDA-approved Nylon, or NSF-approved FDA-approved UV-resistant PVDF. Provided with a poly gripper for use up to 220 psi. 1/8-inch units do not have a poly gripper.

SKU	Description
CME-1212-AC-PG	1/2 inch MNPT by 1/2 inch OD Acetal Elbow with Poly Gripper
CME-1212-NN-PG	1/2 inch MNPT by 1/2 inch OD Natural Nylon Elbow with Poly Gripper
CME-1212-PG	1/2 inch MNPT by 1/2 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-1212-PVDF-PG	1/2 inch MNPT by 1/2 inch OD PVDF Elbow with Poly Gripper
CME-1258- AC PG	1/2 inch MNPT by 5/8 inch OD Acetal Elbow with Poly Gripper
CME-1258-NN-PG	1/2 inch MNPT by 5/8 inch OD Natural Nylon Elbow with Poly Gripper
CME-1258-PG	1/2 inch MNPT by 5/8 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-1258-PVDF PG	1/2 inch MNPT by 5/8 inch OD PVDF Elbow with Poly Gripper
CME-1412-AC-PG	1/4 inch MNPT by 1/2 inch OD Acetal Elbow with Poly Gripper
CME-1412-GFPP-PG	1/4 inch MNPT by 1/2 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-1412-K-PG	1/4 inch MNPT by 1/2 inch OD PVDF Elbow with Poly Gripper

SKU	Description
CME-1412-NN-PG	1/4 inch MNPT by 1/2 inch OD Natural Nylon Elbow with Poly Gripper
CME-1414-AC-PG	1/4 inch MNPT by 1/4 inch OD Acetal Elbow with Poly Gripper
CME-1414-GFPP-PG	1/4 inch MNPT by 1/4 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-1414-K-PG	1/4 inch MNPT by 1/4 inch OD PVDF Elbow with Poly Gripper
CME-1414-NN-PG	1/4 inch MNPT by 1/4 inch OD Natural Nylon Elbow with Poly Gripper
CME-1438-AC-PG	1/4 inch MNPT by 3/8 inch OD Acetal Elbow with Poly Gripper
CME-1438-K	1/4 inch MNPT by 3/8 inch OD PVDF Elbow
CME-1438-K-PG	1/4 inch MNPT by 3/8 inch OD PVDF Elbow with Poly Gripper
CME-1438-NN-PG	1/4 inch MNPT by 3/8 inch OD Natural Nylon Elbow with Poly Gripper
CME-1438-PG	1/4 inch MNPT by 3/8 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-14516AC--PG	1/4 inch MNPT by 5/16 inch OD Acetal Elbow with Poly Gripper
CME-14516-K-PG	1/4 inch MNPT by 5/16 inch OD PVDF Elbow with Poly Gripper
CME-14516-NN-PG	1/4 inch MNPT by 5/16 inch OD Natural Nylon Elbow with Poly Gripper
CME-14516-PG	1/4 inch MNPT by 5/16 inch OD Glass Filled Polypropylene Elbow with Poly Gripper
CME-1814	1/8 inch MNPT by 1/4 inch OD Glass-Filled Polypropylene Elbow
CME-1814-AC-PG	1/8 inch MNPT by 1/4 inch OD Acetal Elbow with Poly Gripper
CME-1814-K	1/8 inch MNPT by 1/4 inch OD PVDF Elbow
CME-1814-NN-PG	1/8 inch MNPT by 1/4 inch OD Natural Nylon Elbow with Poly Gripper
CME-1814-PVDF-PG	1/8 inch MNPT by 1/4 inch OD PVDF Elbow with Poly Gripper
CME-1818	1/8 inch MNPT by 1/8 inch OD Glass-Filled Polypropylene Elbow
CME-1818-AC	1/8 inch MNPT by 1/8 inch OD Acetal Elbow
CME-1818-K	1/8 inch MNPT by 1/8 inch OD PVDF Elbow
CME-1818-NN	1/8 inch MNPT by 1/8 inch OD Natural Nylon Elbow
CME-3812-AC-PG	3/8 inch MNPT by 1/2 inch OD Acetal Elbow with Poly Gripper
CME-3812-K-PG	3/8 inch MNPT by 1/2 inch OD PVDF Elbow with Poly Gripper
CME-3812-NN-PG	3/8 inch MNPT by 1/2 inch OD Natural Nylon Elbow with Poly Gripper
CME-3812-PG	3/8 inch MNPT by 1/2 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-3814-AC-PG	3/8 inch MNPT by 1/4 inch OD Acetal Elbow with Poly Gripper
CME-3814-K-PG	3/8 inch MNPT by 1/4 inch OD PVDF Elbow with Poly Gripper
CME-3814-NN-PG	3/8 inch MNPT by 1/4 inch OD Natural Nylon Elbow with Poly Gripper
CME-3814-PG	3/8 inch MNPT by 1/4 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-3838-AC-PG	3/8 inch MNPT by 3/8 inch OD Acetal Elbow with Poly Gripper
CME-3838-K-PG	3/8 inch MNPT by 3/8 inch OD PVDF Elbow with Poly Gripper

SKU	Description
CME-3838-NN-PG	3/8 inch MNPT by 3/8 inch OD Natural Nylon Elbow with Poly Gripper
CME-3838-PG	3/8 inch MNPT by 3/8 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-38516-AC-PG	3/8 inch MNPT by 5/16 inch OD Acetal Elbow with Poly Gripper
CME-38516-K-PG	3/8 inch MNPT by 5/16 inch OD PVDF Elbow with Poly Gripper
CME-38516-NN-PG	3/8 inch MNPT by 5/16 inch OD Natural Nylon Elbow with Poly Gripper
CME-38516-PG	3/8 inch MNPT by 5/16 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-3858-AC-PG	3/8 inch MNPT by 5/8 inch OD Acetal Elbow with Poly Gripper
CME-3858-GFPP-PG	3/8 inch MNPT by 5/8 inch OD Glass-Filled Polypropylene Elbow with Poly Gripper
CME-3858-NN-PG	3/8 inch MNPT by 5/8 inch OD Natural Nylon Elbow with Poly Gripper
CME-3858-PVDF-PG	3/8 inch MNPT by 5/8 inch OD PVDF Elbow with Poly Gripper

## DFV SERIES



DFV Series PBT Needle Valves are made standard with Nickel-Plated threads and stems with a PBT body that controls out but checks the flow back.

SKU	Description
DFV-14	1/4 by 1/4 Needle Valve
DFV-18	1/8 by 1/8 Needle Valve
DFV-38	3/8 by 3/8 Needle Valve
DFV-532	5/32 by 5/32 Needle Valve
DFV-316	3/16 by 3/16 Needle Valve



## RA SERIES

RA Series are precision relieving and non-relieving regulators made with a Polysulfone body and Acetal stem, Buna-n or EPDM seals and stainless steel springs. 150 PSI maximum input with a 20-turn adjustment allows pressure settings to 1 Inch WC. Available with threads of 10-32 Female or 1/8 inch FNPT. These regulators can be purchased in a low-profile preset design with pressure ranges of 3.5, 10, 30, 60, or 90 psi. . Factory preset tamper-proof regulators are also available in a low profile measuring only 1.75 inches high. Optional with a standard screwdriver slot adjustment. Used for robotics, medical equipment, and process control applications.

SKU	Description
RA-10-18F-K	Regulator 10 psi 1/8 inch NPT Knob
RA-18-10WK	Regulator 10 psi 1/8 inch NPT 0-10 Knob
RA-18-3.5WK	Regulator 10 psi 1/8 inch NPT 0-10 Knob
RA-18-30WK	Regulator 30 psi 1/8 inch NPT 0-30 Knob
RA-18-NR-10WOS	Regulator NR 10 psi 1/8 inch NPT 0-10 WOS
RA-30-1032-K-R	Regulator 30 psi 10-32 Ports Knob Relieving
RA-1032-3.5P	10-32 Female 3.5 psi Relieving
RA-1032-10P	10-32 Female 10 psi Relieving
RA-1032-30P	10-32 Female 30 psi Relieving
RA-1032-60P	10-32 Female 60 psi Relieving
RA-1032-10P-SL-R	10-32 Female 10 psi with Screwdriver Slot, Relieving

## PBV5 2 SERIES



The PBV5 Series is a Two-way Ball Valve with an operating pressure of 125 psi, 140° F, with .312 thru hole in multiple configurations of Barb, Push-in, or Thread. PVC and White Filled Polypropylene materials used for chemical resistance applications are NSF Standard 42 Certified. MakroBlend® (a Polycarbonate and PBT blend) is an NSF Standard 51 certified material. An optional Panel Mount is available for a .750 thru hole and comes with a Brass knurled nut or Electroless Nickel-plated Hex mount nut. The Flag Handle comes standard with an optional round Knurled Handle. The maximum panel is .125

SKU	Description
PBV5-2W-4C	5/16 Flow 1/4 Compression PVC 2-Way Ball Valve
PBV5-2W-4F	5/16 Flow 1/4 FNPT PVC 2-Way Ball Valve
PBV5-2W-4F-PVCE	5/16 Flow 1/4 FNPT PVC EPDM 2-Way Ball Valve
PBV5-2W-4F-PVCV	5/16 Flow 1/4 FNPT PVC EPDM 2-Way Ball Valve
PBV5-2W-4M	5/16 Flow 1/4 MNPT PVC 2-Way Ball Valve
PBV5-2W-4PE-PM JG	5/16 Flow 1/4 Barb EPDM PM JG 2-Way Ball Valve
PBV5-2W-5B	5/16 Flow 5/16 Barb PVC 2-Way Ball Valve
PBV5-2W-4PI	5/16 Flow 1/4 Push-to-Connect PVC 2-Way Ball Valve
PBV5-2W-5F	5/16 Flow 5/16 FNPT PVC 2-Way Ball Valve
PBV5-2W-5M	5/16 Flow 5/16 MNPT PVC 2-Way Ball Valve
PBV5-2W-5PI	5/16 Flow 5/16 Push-to-Connect PVC 2-Way Ball Valve
PBV5-2W-6B	5/16 Flow 3/8 Barb PVC 2-Way Ball Valve
PBV5-2W-6F	5/16 Flow 3/8 FNPT PVC 2-Way Ball Valve
PBV5-2W-6M	5/16 Flow 3/8 MNPT PVC 2-Way Ball Valve
PBV5-2W-6PI	5/16 Flow 3/8 Push-to-Connect PVC 2-Way Ball Valve
PBV5-2W-8B	5/16 Flow 1/2 Barb PVC 2-Way Ball Valve
PBV5-2W-8F	5/16 Flow 1/2 FNPT PVC 2-Way Ball Valve
PBV5-2W-8M	5/16 Flow 1/2 MNPT PVC 2-Way Ball Valve
PBV5-2W-4B	5/16 Flow 1/4 Barb PVC 2-Way Ball Valve
PBV5-2W-2M	5/16 Flow 1/8 MNPT PVC 2-Way Ball Valve
PBV5-2W-2F	5/16 Flow 1/8 FNPT PVC 2-Way Ball Valve
PBV5-2W-2C	5/16 Flow 1/8 Compression PVC 2-Way Ball Valve
PBV5-2W-2B	5/16 Flow 1/8 Barb PVC 2-Way Ball Valve





## PMR SERIES

PMR Series Male NPT to Push-to-Connect Swivel Tee connector configuration available in Acetal and select sizes in Polypropylene, and Kynar®. Push-to-Connect sizes range from 5/32 inch to 1/2 inch and Threads range from 1/2 inch MNPT to 1/8 inch MNPT. This is a swivel tee configuration using the **PT Series** and the **PSM Series** fittings. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PMR-2M4-GA	1/8 inch Male NPT by 1/4 inch Gray Acetal Male Run Tee Push-in
PMR-2M4-K	1/8 inch Male NPT by 1/4 inch PVDF Male Run Tee Push-in
PMR-2M4-PP	1/8 inch Male NPT by 1/4 inch Natural Polypropylene Male Run Tee Push-in
PMR-2M4-WA	1/8 inch Male NPT by 1/4 inch White Acetal Male Run Tee Push-in
PMR-2M532-GA	1/8 inch Male NPT by 5/32 inch Gray Acetal Male Run Tee Push-in
PMR-2M532-WA	1/8 inch Male NPT by 5/32 inch White Acetal Male Run Tee Push-in
PMR-2M5-GA	1/8 inch Male NPT by 5/16 inch Gray Acetal Male Run Tee Push-in
PMR-2M5-WA	1/8 inch Male NPT by 5/16 inch White Acetal Male Run Tee Push-in
PMR-4M4-GA	1/4 inch Male NPT by 1/4 inch Gray Acetal Male Run Tee Push-in
PMR-4M4-K	1/4 inch Male NPT by 1/4 inch PVDF Male Run Tee Push-in
PMR-4M4-PP	1/4 inch Male NPT by 1/4 inch Natural Polypropylene Male Run Tee Push-in
PMR-4M4-WA	1/4 inch Male NPT by 1/4 inch White Acetal Male Run Tee Push-in
PMR-4M532-GA	1/4 inch Male NPT by 5/32 inch Gray Acetal Male Run Tee Push-in
PMR-4M532-WA	1/4 inch Male NPT by 5/32 inch White Acetal Male Run Tee Push-in
PMR-4M5-GA	1/4 inch Male NPT by 5/16 inch Gray Acetal Male Run Tee Push-in
PMR-4M5-WA	1/4 inch Male NPT by 5/16 inch White Acetal Male Run Tee Push-in
PMR-4M6-GA	1/4 inch Male NPT by 3/8 inch Gray Acetal Male Run Tee Push-in
PMR-4M6-K	1/4 inch Male NPT by 3/8 inch PVDF Male Run Tee Push-in
PMR-4M6-PP	1/4 inch Male NPT by 3/8 inch Natural Polypropylene Male Run Tee Push-in
PMR-4M6-WA	1/4 inch Male NPT by 3/8 inch White Acetal Male Run Tee Push-in
PMR-4M8-GA	1/4 inch Male NPT by 1/2 inch Gray Acetal Male Run Tee Push-in
PMR-4M8-WA	1/4 inch Male NPT by 1/2 inch White Acetal Male Run Tee Push-in
PMR-6M5-GA	3/8 inch Male NPT by 5/16 inch Gray Acetal Male Run Tee Push-in
PMR-6M5-WA	3/8 inch Male NPT by 5/16 inch White Acetal Male Run Tee Push-in
PMR-6M6-GA	3/8 inch Male NPT by 3/8 inch Gray Acetal Male Run Tee Push-in
PMR-6M6-K	3/8 inch Male NPT by 3/8 inch PVDF Male Run Tee Push-in

SKU	Description
PMR-6M6-PP	3/8 inch Male NPT by 3/8 inch Natural Polypropylene Male Run Tee Push-in
PMR-6M6-WA	3/8 inch Male NPT by 3/8 inch White Acetal Male Run Tee Push-in
PMR-6M8-GA	3/8 inch Male NPT by 1/2 inch Gray Acetal Male Run Tee Push-in
PMR-6M8-WA	3/8 inch Male NPT by 1/2 inch White Acetal Male Run Tee Push-in
PMR-8M8-GA	1/2 inch Male NPT by 1/2 inch Gray Acetal Male Run Tee Push-in
PMR-8M8-WA	1/2 inch Male NPT by 1/2 inch White Acetal Male Run Tee Push-in

## PMT SERIES



PMT Series Push-to-Connect Tee to Male NPT connectors are available in Acetal and select sizes in Polypropylene, and Kynar®. Push-to-Connect sizes range from 5/32 inch to 1/2 inch and Threads range from 1/2 inch MNPT to 1/8 inch MNPT. This swivel tee configuration uses the **PT Series** and **PSM Series** fittings. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PMT-2M3-GA	1/8 inch Male NPT by 3/16 inch OD Gray Acetal Tee Push-in
PMT-2M3-WA	1/8 inch Male NPT by 3/16 inch OD White Acetal Tee Push-in
PMT-2M4-GA	1/8 inch Male NPT by 1/4 inch OD Gray Acetal Tee Push-in
PMT-2M4-K	1/8 inch Male NPT by 1/4 inch OD PVDF Tee Push-in
PMT-2M4-WA	1/8 inch Male NPT by 1/4 inch OD White Acetal Tee Push-in
PMT-2M532-GA	1/8 inch Male NPT by 5/32 inch OD Gray Acetal Tee Push-in
PMT-2M532-WA	1/8 inch Male NPT by 5/32 inch OD White Acetal Tee Push-in
PMT-2M5-GA	1/8 inch Male NPT by 5/16 inch OD Gray Acetal Tee Push-in
PMT-2M5-WA	1/8 inch Male NPT by 5/16 inch OD White Acetal Tee Push-in
PMT-2M6-GA	1/8 inch Male NPT by 3/8 inch OD Gray Acetal Tee Push-in
PMT-2M6-K	1/8 inch Male NPT by 3/8 inch OD PVDF Tee Push-in
PMT-2M6-WA	1/8 inch Male NPT by 3/8 inch OD White Acetal Tee Push-in
PMT-4M4-GA	1/4 inch Male NPT by 1/4 inch OD Gray Acetal Tee Push-in
PMT-4M4-K	1/4 inch Male NPT by 1/4 inch OD PVDF Tee Push-in
PMT-4M4-WA	1/4 inch Male NPT by 1/4 inch OD White Acetal Tee Push-in
PMT-4M532-GA	1/4 inch Male NPT by 5/32 inch OD Gray Acetal Tee Push-in
PMT-4M532-WA	1/4 inch Male NPT by 5/32 inch OD White Acetal Tee Push-in
PMT-4M5-GA	1/4 inch Male NPT by 5/16 inch OD Gray Acetal Tee Push-in

SKU	Description
PMT-4M5-WA	1/4 inch Male NPT by 5/16 inch OD White Acetal Tee Push-in
PMT-4M6-GA	1/4 inch Male NPT by 3/8 inch OD Gray Acetal Tee Push-in
PMT-4M6-K	1/4 inch Male NPT by 3/8 inch OD PVDF Tee Push-in
PMT-4M6-PP	1/4 inch Male NPT by 3/8 inch OD Polypropylene Tee Push-in
PMT-4M6-WA	1/4 inch Male NPT by 3/8 inch OD White Acetal Tee Push-in
PMT-4M8-GA	1/4 inch Male NPT by 1/2 inch OD Gray Acetal Tee Push-in
PMT-4M8-PP	1/4 inch Male NPT by 1/2 inch OD Polypropylene Tee Push-in
PMT-4M8-WA	1/4 inch Male NPT by 1/2 inch OD White Acetal Tee Push-in
PMT-6M5-GA	3/8 inch Male NPT by 5/16 inch OD Gray Acetal Tee Push-in
PMT-6M5-PP	3/8 inch Male NPT by 5/16 inch OD Polypropylene Tee Push-in
PMT-6M5-WA	3/8 inch Male NPT by 5/16 inch OD White Acetal Tee Push-in
PMT-6M6-GA	3/8 inch Male NPT by 3/8 inch OD Gray Acetal Tee Push-in
PMT-6M6-K	3/8 inch Male NPT by 3/8 inch OD PVDF Tee Push-in
PMT-6M6-PP	3/8 inch Male NPT by 3/8 inch OD Polypropylene Tee Push-in
PMT-6M6-WA	3/8 inch Male NPT by 3/8 inch OD White Acetal Tee Push-in
PMT-6M8-GA	3/8 inch Male NPT by 1/2 inch OD Gray Acetal Tee Push-in
PMT-6M8-WA	3/8 inch Male NPT by 1/2 inch OD White Acetal Tee Push-in
PMT-8M8-GA	1/2 inch Male NPT by 1/2 inch OD Gray Acetal Tee Push-in
PMT-8M8-PP	1/2 inch Male NPT by 1/2 inch OD Polypropylene Tee Push-in
PMT-8M8-WA	1/2 inch Male NPT by 1/2 inch OD White Acetal Tee Push-in



## PMES SERIES

PMES Series Push-to-Connect to Male NPT Swivel Elbow connectors are available in Acetal and select sizes in Polypropylene, and Kynar®. Push-to-Connect sizes range from 5/32 inch to 1/2 inch and Threads range from 1/2 inch MNPT to 1/8 inch MNPT. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene. For non-swivel elbows see **PME Series**.

SKU	Description
PMES-2M4	1/8 MNPT by 1/4 OD Swivel Elbow Push-to-Connect
PMES-2M532	1/8 MNPT by 5/32 OD Swivel Elbow Push-to-Connect
PMES-2M5	1/8 MNPT by 5/16 OD Swivel Elbow Push-to-Connect
PMES-2M6	1/8 MNPT by 3/8 OD Swivel Elbow Push-to-Connect
PMES-4M4	1/4 MNPT by 1/4 OD Swivel Elbow Push-to-Connect

SKU	Description
PMES-4M532	1/4 MNPT by 5/32 OD Swivel Elbow Push-to-Connect
PMES-4M5	1/4 MNPT by 5/16 OD Swivel Elbow Push-to-Connect
PMES-4M6	1/4 MNPT by 3/8 OD Swivel Elbow Push-to-Connect
PMES-4M8	1/4 MNPT by 1/2 OD Swivel Elbow Push-to-Connect
PMES-6M4	3/8 MNPT by 1/4 OD Swivel Elbow Push-to-Connect
PMES-6M5	3/8 MNPT by 5/16 OD Swivel Elbow Push-to-Connect
PMES-6M6	3/8 MNPT by 3/8 OD Swivel Elbow Push-to-Connect
PMES-6M8	3/8 MNPT by 1/2 OD Swivel Elbow Push-to-Connect
PMES-8M8	1/2 MNPT by 1/2 OD Swivel Elbow Push-to-Connect



## PF SERIES

Push-to-Connect to Female NPT Straight connectors available in Acetal, Polypropylene, and Kynar® used to join Polyethylene, Brass, or Copper tubing. Push-to-Connect sizes range from 1/2 inch to 1/4 inch and Thread sizes range from 1/2 FNPT to 1/8 inch FNPT. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PF-2F4	1/8 FNPT by 1/4 OD Straight Push-to-Connect
PF-4F4	1/4 FNPT by 1/4 OD Straight Push-to-Connect
PF-4F5	1/4 FNPT by 5/16 OD Straight Push-to-Connect
PF-4F6	1/4 FNPT by 3/8 OD Straight Push-to-Connect
PF-6F5	3/8 FNPT by 5/16 OD Straight Push-to-Connect
PF-6F6	3/8 FNPT by 3/8 OD Straight Push-to-Connect
PF-6F8	3/8 FNPT by 1/2 OD Straight Push-to-Connect



## PME SERIES

The PME Series Male Thread to Push-to-Connect Elbow connectors are available in Acetal and select sizes in Polypropylene, and PVDF. Push-in sizes range from 1/4 inch to 3/8 inch and Threads range from 3/8 inch MNPT to 1/8 inch MNPT. In addition, the Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Furthermore, the Maximum temperature is 140°F at 60 psi for Polypropylene.

SKU	Description
PME-2M4	1/8 MNPT by 1/4 OD Push-to-Connect Elbow
PME-4M4	1/4 MNPT by 1/4 OD Push-to-Connect Elbow
PME-4M5	1/4 MNPT by 5/16 OD Push-to-Connect Elbow
PME-4M6	1/4 MNPT by 3/8 OD Push-to-Connect Elbow
PME-6M4	3/8 MNPT by 1/4 OD Push-to-Connect Elbow
PME-6M5	3/8 MNPT by 5/16 OD Push-to-Connect Elbow
PME-6M6	3/8 MNPT by 3/8 OD Push-to-Connect Elbow
PME-6M8	3/8 MNPT by 1/2 OD Push-to-Connect Elbow



## PM CONNECTOR SERIES

PM Series Straight Male Thread to Push-to-Connect connectors are available in Acetal and select sizes in Polypropylene, and Kynar®. Push-in sizes range from 5/32 inch to 5/8 inch and Threads range from 3/4 inch MNPT to 1/8 inch MNPT. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PM-12M10	3/4 MNPT by 5/8 OD Straight Push-to-Connect
PM-2M3	1/8 MNPT by 3/16 OD Straight Push-to-Connect
PM-2M4	1/8 MNPT by 1/4 OD Straight Push-to-Connect
PM-2M532	1/8 MNPT by 5/32 OD Straight Push-to-Connect

SKU	Description
PM-2M5	1/8 MNPT by 5/16 OD Straight Push-to-Connect
PM-2M6	1/8 MNPT by 3/8 OD Straight Push-to-Connect
PM-4BSPT6	1/4 BSPT by 3/8 OD Straight Push-to-Connect
PM-4M4	1/4 MNPT by 1/4 OD Straight Push-to-Connect
PM-4M532	1/4 MNPT by 5/32 OD Straight Push-to-Connect
PM-4M5	1/4 MNPT by 5/16 OD Straight Push-to-Connect
PM-4M6	1/4 MNPT by 3/8 OD Straight Push-to-Connect
PM-6M4	3/8 MNPT by 1/4 OD Straight Push-to-Connect
PM-6M5	3/8 MNPT by 5/16 OD Straight Push-to-Connect
PM-6M6	3/8 MNPT by 3/8 OD Straight Push-to-Connect
PM-6M8	3/8 MNPT by 1/2 OD Straight Push-to-Connect
PM-8M6	1/2 MNPT by 3/8 OD Straight Push-to-Connect
PM-8M8	1/2 MNPT by 1/2 OD Straight Push-to-Connect



## PSM PIPE CONNECTOR SERIES

Stem connector to Male Pipe Thread Fittings can be added to a Female Pipe Thread port. The stem allows for adding a Push-to-Connect connector to create Tees, Elbows, Wyes, and Crosses. Can also be used to create Male to Male Pipe or Male to Female Pipe connections. These units allow the connection to Swivel. Acetal, Polypropylene, and Kynar® can be added to a Push-to-Connect connector to terminate in a barbed connection for use with Polyethylene, Vinyl, or braided Vinyl tubing. Stem sizes range from 1/2 inch to 5/32 inch with Pipe Threads ranging from 1/2 inch NPT to 1/8 inch NPT ( See PMES, PMT, and PMR Series for examples.). Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PSM-2M3-GA	1/8 MNPT by 3/16 OD Push-to-Connect Stem
PSM-2M4-GA	1/8 MNPT by 1/4 OD Push-to-Connect Stem
PSM-2M532-GA	1/8 MNPT by 5/32 OD Push-to-Connect Stem
PSM-2M5-GA	1/8 MNPT by 5/16 OD Push-to-Connect Stem
PSM-4M4-GA	1/4 MNPT by 1/4 OD Push-to-Connect Stem
PSM-4M532-GA	1/4 MNPT by 5/32 OD Push-to-Connect Stem
PSM-4M5-GA	1/4 MNPT by 5/16 OD Push-to-Connect Stem
PSM-4M6-GA	1/4 MNPT by 3/8 OD Push-to-Connect Stem

SKU	Description
PSM-4M8-GA	1/4 MNPT by 1/2 OD Push-to-Connect Stem
PSM-6M4-GA	3/8 MNPT by 1/4 OD Push-to-Connect Stem
PSM-6M5-GA	3/8 MNPT by 5/16 OD Push-to-Connect Stem
PSM-6M6-GA	3/8 MNPT by 3/8 OD Push-to-Connect Stem

## PEB SERIES



The PEB Series Stem connector to Elbow Barbed Fittings comes in Acetal, Polypropylene, and Kynar® which can be added to a Push-to-Connect connector to terminate in a barbed connection for use with Polyethylene, Vinyl, or braided Vinyl tubing. Stem sizes range from 1/2 inch to 1/4 inch reducing to a 1/4 inch Barbed Fitting. Gray or White Acetal are NSF and FDA-approved and have Buna seals for air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PEB-4	1/4 OD Stem by 1/4 Barb Elbow
PEB-4S5	1/4 OD Stem by 5/16 Barb Elbow
PEB-5	5/16 OD Stem by 5/16 Barb Elbow
PEB-5S4	5/16 OD Stem by 1/4 Barb Elbow
PEB-5S5	5/16 OD Stem by 5/16 Barb Elbow
PEB-6	3/8 OD Stem by 3/8 Barb Elbow
PEB-6S4	3/8 OD Stem by 1/4 Barb Elbow
PEB-6S5	3/8 OD Stem by 5/16 Barb Elbow

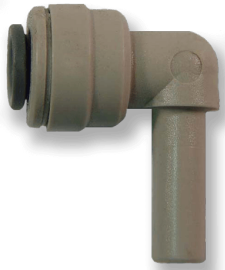


## PSB SERIES

Stem connector to Barbed Fittings Acetal, Polypropylene, and Kynar® can be added to a Push-to-Connect connector to terminate in a barbed connection for use with Polyethylene, Vinyl, or braided Vinyl tubing. Stem sizes range from 1/2 inch to 1/4 inch reducing to a 1/4 inch Barbed Fitting. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PSB-4-GA	1/4 inch Stem by 1/4 inch Barb Gray Acetal Push-in
PSB-4-K	1/4 inch Stem by 1/4 inch Barb PVDF Push-in
PSB-4S3-GA	1/4 inch Stem by 3/16 Barb Gray Acetal Push-in
PSB-4S4-K	1/4 inch Stem by 1/4 inch Barb PVDF Push-in
PSB-4S5-GA	1/4 inch Stem by 5/16 inch Barb Gray Acetal Push-in
PSB-4-WP	1/4 inch Stem by 1/4 inch Barb White Polypropylene Push-in
PSB-5-GA	5/16 inch Stem by 5/16 inch Barb Gray Acetal Push-in
PSB-5S3-GA	5/16 inch Stem by 3/16 Barb Gray Acetal Push-in
PSB-5S4-GA	5/16 inch Stem by 1/4 inch Barb Gray Acetal Push-in
PSB-5S6-GA	5/16 inch Stem by 3/8 inch Barb Gray Acetal Push-in
PSB-6-GA	3/8 inch Stem by 3/8 inch Barb Gray Acetal Push-in
PSB-6-K	3/8 inch Stem by 3/8 inch Barb PVDF Push-in
PSB-6S4-GA	3/8 inch Stem by 1/4 inch Barb Gray Acetal Push-in
PSB-6S4-K	3/8 inch Stem by 1/4 inch Barb PVDF Push-in
PSB-6S5-GA	3/8 inch Stem by 5/16 inch Barb Gray Acetal Push-in
PSB-6S8-GA	3/8 inch Stem by 1/2 inch Barb Gray Acetal Push-in
PSB-6S8-WP	3/8 inch Stem by 1/2 inch Barb White Polypropylene Push-in
PSB-6-WP	3/8 inch Stem by 3/8 inch Barb White Polypropylene Push-in
PSB-8-GA	1/2 inch Stem by 1/2 inch Barb Gray Acetal Push-in
PSB-8S6-GA	1/2 inch Stem by 3/8 inch Barb Gray Acetal Push-in
PSB-8S6-WP	1/2 inch Stem by 3/8 inch Barb White Polypropylene Push-in
PSB-8-WP	1/2 inch Stem by 1/2 inch Barb White Polypropylene Push-in





## SPE SERIES

Push-to-Connect Elbow to Stem Swivel connectors available in Acetal, Polypropylene, and Kynar® can be added to any push-in connector to create a 90-degree connection. Stem sizes range from 1/2 inch to 5/32 inch OD. Push-in sizes of 1/2 inch to 5/32 inch. Use with Polyethylene, Brass, or Copper tubing. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
SPE-3	3/16 Stem by 3/16 OD Elbow PBT
SPE-4	1/4 Stem by 1/4 OD Elbow PBT
SPE-4-6	1/4 Stem by 3/16 OD Elbow PBT
SPE-5	5/16 Stem by 5/16 OD Elbow PBT
SPE-532	5/32 Stem by 5/32 OD Elbow PBT
SPE-6	3/8 Stem by 3/8 OD Elbow PBT
SPE-6-3	3/8 Stem by 3/16 OD Elbow PBT
SPE-6-4	3/8 Stem by 1/4 OD Elbow PBT
SPE-6-5	3/8 Stem by 5/16 OD Elbow PBT
SPE-8	1/2 Stem by 1/2 OD Elbow PBT



## PSP SERIES

Push-to-Connect to Stem is available in Acetal and polypropylene (select sizes only), and Kynar® can be added to a push-in connector to reduce the tubing size of Polyethylene, Brass, or Copper tubing. Stem sizes range from 1/2 inch to 3/16 inch reducing to as small as 5/32 inch OD. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PSP-3-532	3/16 Stem by 5/32 OD Push-to-Connect Reducer
PSP-5-3	5/16 Stem to 3/16 OD Push-to-Connect Reducer

SKU	Description
PSP-5-4	5/16 Stem to 1/4 OD Push-to-Connect Reducer
PSP-6-3	3/8 Stem to 3/16 OD Push-to-Connect Reducer
PSP-6-4	3/8 Stem to 1/4 OD Push-to-Connect Reducer
PSP-6-5	3/8 Stem to 5/16 OD Push-to-Connect Reducer
PSP-8-4	1/2 Stem to 1/4 OD Push-to-Connect Reducer
PSP-8-5	1/2 Stem to 5/16 OD Push-to-Connect Reducer
PSP-8-6	1/2 Stem to 3/8 OD Push-to-Connect Reducer



## PACX SERIES

Push-to-Connect Cross connectors available in Acetal are used to join tubing of Polyethylene, Brass, or Copper. Sizes range from 3/8 inch OD size only. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. Also available with double O-ring EPDM seals. For other options see our PUCX Series Push-ins.

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SKU	Description
PACX-6-A	3/8 inch OD Cross made of Acetal

## PT SERIES



Push-to-Connect Tee connectors available in Acetal, Polypropylene, and Kynar® used to join the tubing of Polyethylene. Sizes range from 1/2 inch OD to 5/32 inch OD including reducing sizes. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	DESCRIPTION
PT-3	3/16 OD Push-to-Connect Union Tee
PT-4	1/4 OD Push-to-Connect Union Tee
PT-532	5/32 OD Push-to-Connect Union Tee
PT-5	5/16 OD Push-to-Connect Union Tee
PT-6-4-6	3/8 OD by 1/4 OD Run by 3/8 OD Push-to-Connect Union Tee
PT-6-4	3/8 OD by 1/4 OD Reducing Push-to-Connect Union Tee
PT-6	3/8 OD Push-to-Connect Union Tee
PT-8-6	1/2 OD by 3/8 OD Reducing Push-to-Connect Union Tee
PT-8	1/2 OD Push-to-Connect Union Tee

## PY SERIES



Push-to-Connect Straight Divider Wye connectors available in Acetal, Polypropylene, and Kynar® used to split or reduce tubing connections of Polyethylene, Brass, or Copper. Sizes range from 1/4 inch OD to 3/8 inch OD including reducing sizes. Available in 1 inlet to 2 outlets, or 1 inlet to 3 outlets. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PY-4	1/4 Equal In/Out Push-to-Connect Wye
PY-5	5/16 Equal In/Out Push-to-Connect Wye
PY-6-5	3/8 to Dual 5/16 In/Out Push-to-Connect Wye

SKU	Description
PY-6	3/8 Equal In/Out Push-to-Connect Wye
PY-8	1/2 Equal In/Out Push-to-Connect Wye

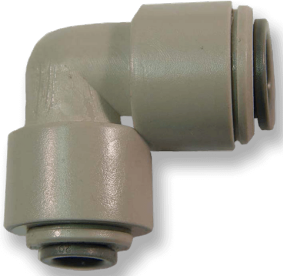


## PB SERIES

Push-to-Connect Panel Mount connectors available in Acetal, Polypropylene, and Kynar® used to join tubing of Polyethylene, Brass, or Copper. Sizes range from 5/32 inch OD to 1/2 inch OD including reducing sizes. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

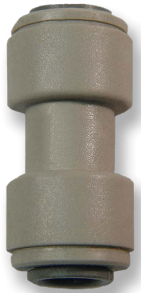
SKU	Description
PB-3	3/16 OD Push-to-Connect Bulkhead
PB-4	1/4 OD Push-to-Connect Bulkhead
PB-532	5/32 OD Push-to-Connect Bulkhead
PB-5	5/16 OD Push-to-Connect Bulkhead
PB-6-4	3/8 OD by 1/4 OD Push-to-Connect Bulkhead
PB-6	3/8 OD Push-to-Connect Bulkhead
PB-8-4	1/2 OD by 1/4 OD Push-to-Connect Bulkhead

## PE SERIES



Push-to-Connect Elbow connectors available in Acetal, Polypropylene, and Kynar® used to join tubing of Polyethylene, Brass, or Copper. Sizes range from 5/32 inch OD to 1/2 inch OD including reducing sizes. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PE-3	3/16 OD Push-to-Connect Elbow
PE-4	1/4 OD Push-to-Connect Elbow
PE-532	5/32 OD Push-to-Connect Elbow
PE-5-3	5/16 OD by 3/16 OD Push-to-Connect Elbow
PE-5-4	5/16 OD by 1/4 OD Push-to-Connect Elbow
PE-5-532	5/16 OD by 5/32 OD Push-to-Connect Elbow
PE-5	5/16 OD Push-to-Connect Elbow
PE-6-3	3/8 OD by 3/16 OD Push-to-Connect Elbow
PE-6-4	3/8 OD by 1/4 OD Push-to-Connect Elbow
PE-6-5	3/8 OD by 5/16 OD Push-to-Connect Elbow
PE-6	3/8 OD OD Push-to-Connect Elbow PP PVDF
PE-8-6	1/2 OD by 3/8 OD Push-to-Connect Elbow



## PC SERIES

Push-to-Connect Straight Fittings connectors available in Acetal, Polypropylene, and Kynar® used to join tubing of Polyethylene, Brass, or Copper. Sizes range from 5/32 inch OD to 1/2 inch OD including reducing sizes. Gray or White Acetal are NSF and FDA-approved and have Buna seals for use in air, gases, and potable water applications. White Polypropylene with EPDM seals or PVDF with FKM seals. Maximum temperature 140°F at 60 psi for Polypropylene.

SKU	Description
PC-3	3/16 OD Equal Connector
PC-4	1/4 OD Equal Connector
PC-5	5/16 OD Equal Connector
PC-532	5/32 OD Equal Connector
PC-6	3/8 OD Equal Connector
PC-8	1/2 OD Equal Connector
PC-4-3	1/4 OD by 3/16 OD Reducer Connector
PC-5-532	5/16 OD by 5/32 OD Reducer Connector
PC-5-3	5/16 OD by 3/16 OD Reducer Connector
PC-5-4	5/16 OD by 1/4 OD Reducer Connector
PC-6-3	3/8 OD by 3/16 OD Reducer Connector
PC-6-4	3/8 OD by 1/4 OD Reducer Connector
PC-6-5	3/8 OD by 5/16 OD Reducer Connector
PC-8-5	1/2 OD by 5/16 OD Reducer Connector

## ASD SERIES



These ASD Series single barbed enlarging duckbill Check Valves are available in several materials such as Nylon (N), Polypropylene (PP), or Polycarbonate (PC) housing. These Check Valves have a Silicone diaphragm. The available barb sizes are 1/8 inch by 3/16 inch and 3/16 inch by 1/8 inch.

SKU	Description
ASD-2B	1/8 Barb
ASD-2B3B	1/8 Barb by 3/16 Barb
ASD-3B	3/16 Barb
ASD-3B2B	3/16 Barb by 1/8 Barb

## LD SERIES | LAB DISCONNECTS



*Pneuline Supply, Inc.* manufactures these low-pressure Lab Disconnects made from either Polyethylene or Polypropylene which are used in laboratories for vacuum applications, low-pressure lines, water lines, and inert gases. They connect various tubing sizes from 1/8 inch, 7/32 inch, 1/4 inch, and .170 ID tube lines. They can be purchased with a Viton® or EPDM disc Check Valve, or with a porous Polyethylene filter. A unique pick-up tube line assembly for use in drawing air or water from containers is also available.

SKU	Description
LD-F-LDPE	Female LDPE Lab Disconnect
LD-F-PP	Female Polypropylene Lab Disconnect
LD-LDPE	Male/Female LDPE Complete Lab Disconnect
LD-M-LDPE	Male LDPE Lab Disconnect
LD-M-NB-PP	Male No-Barb Polypropylene Lab Disconnect

## MSV SERIES | SPRING-LOADED CHECK VALVES



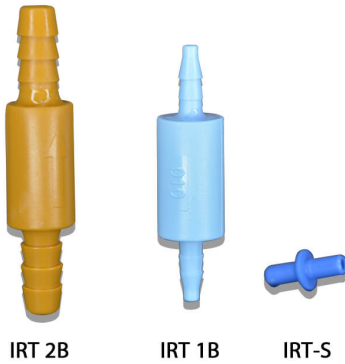
Pneuline Supply, Inc. manufactures the MSV Series inline spring-loaded check valves in a class 8 clean room environment specifically for use in medical applications. Custom molding allows for customer-specific requirements which include resin options, connector variations, and O-ring selections. Available resin options include Polycarbonate, Radiation-stable Polycarbonate, and Kynar® 720 (PVDF). Other custom resins are available upon request. Barbed connectors are available in 1/8-inch, 3/16-inch, and 1/4-inch standard flow or 1/4-inch-high flow, 5/16-inch, and 3/8-inch. Springs are made of 316 Stainless Steel or Hastelloy® in .022 psi, .25 psi, .50 psi, 1 psi, 5 psi, or 10 psi. Passivated springs are available. O-ring options are Silicone USP class VI, Fluorosilicone, EPDM, Viton®, or Kalrez®. To make this product truly unique, we offer custom laser marking for identification purposes such as part number sequencing, lot numbers, or company name.

*\*Poppet and Piston are optional.*

**[Download the MSV Series Flyer](#)**

SKU	Description
MSV-2B-AC-6	1/8 Valve Acetal EPDM 6 PSI
MSV-2B-AC-E-.25	1/8 Valve Acetal EPDM .22
MSV-2B-AC-E-1	1/8 Valve Acetal EPDM 1 PSI
MSV-2B-AC-E-5	1/8 Valve Acetal EPDM 5 PSI
MSV-3BAC-.75V-41	3/16 Acetal .75 Viton with 41 micron
MSV-3B-AC-B-1	3/16 Valve Acetal Buna 1
MSV-3B-AC-E-1	3/16 Valve Acetal EPDM 1
MSV-3B-K720-1SS-V	3/16 Kynar 720 Valve Viton 1 PSI 316 SS
MSV-3B-K720-E-.5H	3/16 Kynar 720 Valve EPDM .5 Hastelloy®
MSV-3B-PC-E-.5	3/16 Barb PC EPDM 1/2 PSI
MSV-3B-PC-E-.75	3/16 Barb PC Valve EPDM .75
MSV-3B-PC-E-1	3/16 Barb PC EPDM 1PSI
MSV-3B-Rx2530-6WC-S	3/16 Barb RSPC Valve 6WC Silicone
MSV-4B-PC-S-.22PI	1/4 Valve Polycarb Silicone .22
MSV-4B-PC-S-.5	1/4 Valve Polycarb Silicone .5
MSV-5B-Rx2530-6WC-S	5/16 Barb RSPC Spring Valve 6WC Silicone
MSV-6B-AC-.22 E	3/8 Valve Acetal .22 EPDM
MSV-6B-AC-E-1	3/8 Valve Acetal EPDM 1 PSI
MSV-6B-K720-E-1	3/8 Valve Kynar EPDM 1 PSI
MSV-6B-Rx2530-6WC-S	5/16 Barb RSPC Spring Valve 6WC Silicone





## IRT SERIES

Our series of IRT and IRT-S orifices are made of FDA Polycarbonate resin. 2 barb sizes and 1 non barbed sizes are available; 1/16 (5/64 inch) straight shaft; IRT-S, a 1/16 barbed and a 1/8 barbed orifice IRT 1B and 2B. The operating pressure is 100 psi with a repeatable flow of 3% plus or minus. 1/16 and 1/8 barbs have a stainless pre-filter to protect the orifice. Available in seventeen different color-coded orifice sizes as follows: .003 is Gold, .004 is Purple, .005 is White, .007 is Yellow, .008 is Light Green, .009 is Lavender, .010 is Light Blue, .012 is Dark Green, .014 is Orange, .016 is Gray, .017 is Brown, .019 is Red, .020 is Dark Blue, .025 is Black, .030 is Beige, .035 is Dark Gray, and .040 is Teal. Used to slow down air flow in applications in medical devices.

SKU	Description
IRT-S-003	1/16 inch .003 Gold Polycarbonate - No Filter Orifice
IRT-S-004	1/16 inch .004 Purple Polycarbonate - No Filter Orifice
IRT-S-005	1/16 inch .005 White Polycarbonate - No Filter Orifice
IRT-S-007	1/16 inch .007 Yellow Polycarbonate - No Filter Orifice
IRT-S-008	1/16 inch .008 Light Green Polycarbonate - No Filter Orifice
IRT-S-009	1/16 inch .009 Lavender Polycarbonate - No Filter Orifice
IRT-S-010	1/16 inch .010 Light Blue Polycarbonate - No Filter Orifice
IRT-S-012	1/16 inch .012 Dark Green Polycarbonate - No Filter Orifice
IRT-S-014	1/16 inch .014 Orange Polycarbonate - No Filter Orifice
IRT-S-016	1/16 inch .016 Gray Polycarbonate - No Filter Orifice
IRT-S-017	1/16 inch .017 Brown Polycarbonate - No Filter Orifice
IRT-S-019	1/16 inch .019 Red Polycarbonate - No Filter Orifice
IRT-S-020	1/16 inch .020 Dark Blue Polycarbonate - No Filter Orifice
IRT-S-025	1/16 inch .025 Black Polycarbonate - No Filter Orifice
IRT-S-030	1/16 inch .030 Beige Polycarbonate - No Filter Orifice
IRT-S-035	1/16 inch .035 Dark Gray Polycarbonate - No Filter Orifice
IRT-S-040	1/16 inch .040 Teal Polycarbonate - No Filter Orifice
IRT-1B-003	1/16 Barb .003 Polycarbonate 5 Micron Filter Gold Orifice
IRT-1B-004	1/16 Barb .004 Polycarbonate 5 Micron Filter Purple Orifice
IRT-1B-004-NF	1/16 Barb .004 Polycarbonate No Filter Purple Orifice
IRT-1B-005	1/16 Barb .005 Polycarbonate 5 Micron Filter White Orifice
IRT-1B-007	1/16 Barb .007 Polycarbonate 5 Micron Filter Yellow Orifice
IRT-1B-008	1/16 Barb .008 Polycarbonate 5 Micron Filter Lt Green Orifice
IRT-1B-009	1/16 Barb .009 Polycarbonate 5 Micron Filter Lavender Orifice
IRT-1B-010	1/16 Barb .010 Polycarbonate 100 Micron Filter Lt Blue Orifice

SKU	Description
IRT-1B-012	1/16 Barb .012 Polycarbonate 100 Micron Filter Green Orifice
IRT-1B-014	1/16 Barb .014 Polycarbonate 100 Micron Filter Orange Orifice
IRT-1B-016	1/16 Barb .016 Polycarbonate 100 Micron Filter Gray Orifice
IRT-1B-017	1/16 Barb .017 Polycarbonate 100 Micron Filter Brown Orifice
IRT-1B-019	1/16 Barb .019 Polycarbonate 100 Micron Filter Red Orifice
IRT-1B-020	1/16 Barb .020 Polycarbonate 100 Micron Filter Dk Blue Orifice
IRT-1B-025	1/16 Barb .025 Polycarbonate 100 Micron Filter Black Orifice
IRT-1B-030	1/16 Barb .030 Polycarbonate 100 Micron Filter Beige Orifice
IRT-1B-035	1/16 Barb .035 Polycarbonate 100 Micron Filter Dk Gray Orifice
IRT-1B-040	1/16 Barb .040 Polycarbonate 100 Micron Filter Teal Orifice
IRT-2B-003	1/8 Barb .003 Polycarbonate 5 Micron Filter Gold Orifice
IRT-2B-004	1/8 Barb .004 Polycarbonate 5 Micron Filter Purple Orifice
IRT-2B-005	1/8 Barb .005 Polycarbonate 5 Micron Filter White Orifice
IRT-2B-007	1/8 Barb .007 Polycarbonate 5 Micron Filter Yellow Orifice
IRT-2B-008	1/8 Barb .008 Polycarbonate 5 Micron Filter Lt Green Orifice
IRT-2B-009	1/8 Barb .009 Polycarbonate 5 Micron Filter Lavender Orifice
IRT-2B-010	1/8 Barb .010 Polycarbonate 100 Micron Filter Lt Blue Orifice
IRT-2B-012	1/8 Barb .012 Polycarbonate 100 Micron Filter Green Orifice
IRT-2B-014	1/8 Barb .014 Polycarbonate 100 Micron Filter Orange Orifice
IRT-2B-016	1/8 Barb .016 Polycarbonate 100 Micron Filter Gray Orifice
IRT-2B-017	1/8 Barb .017 Polycarbonate 100 Micron Filter Brown Orifice
IRT-2B-019	1/8 Barb .019 Polycarbonate 100 Micron Filter Red Orifice
IRT-2B-020	1/8 Barb .020 Polycarbonate 100 Micron Filter Dk Blue Orifice
IRT-2B-025	1/8 Barb .025 Polycarbonate 100 Micron Filter Black Orifice
IRT-2B-030	1/8 Barb .030 Polycarbonate 100 Micron Filter Beige Orifice
IRT-2B-035	1/8 Barb .035 Polycarbonate 100 Micron Filter Dk Gray Orifice
IRT-2B-040	1/8 Barb .040 Polycarbonate 100 Micron Filter Teal Orifice

## WPF SERIES | PLASTIC INLINE FILTERS



WPF Series Filters are manufactured by Pneuline Supply to custom specifications per customer requirements. Barbed connectors are available in various combinations such as...

- 1/8, 3/16, 1/4, 5/16, and 3/8 barbs. Male and Female Luers are available and can be mixed and matched with Barb connectors or opposing luer connectors. Our luer connections are ISO.594 compatible. Filters can be used for lab applications, medical applications, and industrial products.

Filter Housings can be made from various materials such as:-  
*Polypropylene, Polycarbonate, Nylon, Acetal, and PVDF*

The operating pressure is 50 PSI This series has a flat filter welded into the housing which is available in 10 different polyester filter media 4-5 stainless steel options..

### -Fabric

- Available in Polyester or Polypropylene fabric (PTFE or PVDF optional)
- Sizes include: 5, 10, 20, 44, 64, 75, 105, 150, 177, 200, and 250 microns

### -Porous high-density Polyethylene

- Hydrophobic in nature, therefore blocking most fluids
- Sizes include: 15-45, 45-90, and 90-160 microns

### -Stainless steel

- Two grades available: 304 and 316L
- 304 is available in 61 micron(app 250 mesh), 74 micron(app 200 mesh), 103 micron(150 mesh), and 149 micron(100 mesh)
- 316SS available in 44 microns

SKU	Description
WPF-2B-BKAC-45 HDPE	1/8 inch Barbed BK Acetal 45 HDPE In-Line Filter
WPF-2B-BKAC-80SS	1/8 inch Barbed BK Acetal 80 Mesh 304 In-Line Filter
WPF-2B-N	1/8 inch Barbed Nylon In-Line Filter
WPF-2B-N-10	1/8 inch Barbed 10 Micron Nylon Filter
WPF-2B-P-105	1/8 inch Barbed 105 Micron Polypropylene Filter
WPF-2B-PC-45PE	1/8 inch Barbed Polycarbonate with 45 micron Polyester filter
WPF-2B-PC-5PE	1/8 inch Barbed Polycarbonate with 5 Micron Polyester filter

SKU	Description
WPF-2B-PC-20N	1/8 inch Barbed Polycarbonate with 20 Micron Nylon In-Line Filter
WPF-2B-PC-30N	1/8 inch Barbed Polycarbonate with 30 Micron Nylon In-Line Filter
WPF-2B-NK-45 PE Medifab	1/8 inch Barbed PVDF 45 micron Medifab Filter
WPF-3B-N-30	3/16 inch Barbed 30 Micron Nylon Filter
WPF-3B-P	3/16 inch Barbed Polypropylene Filter
WPF-3B-P-130	3/16 inch Barbed 130 Micron Polypropylene Filter
WPF-3B-PC-200PE	3/16 inch Barbed with 200 Micron Polycarbonate Filter
WPF-3B-PVDF-250	3/16 inch Barbed 250 Micron PVDF Filter
WPF-4BHF-N-75N	1/4 inch High Flow Barbed Nylon with 75 Micron Filter
WPF-4BHF-PC-200PE	1/4 inch High Flow Barbed Polycarbonate with 200 Filter
WPF-4B-K-200SS	1/4 inch Barbed PVDF with 200 Micron Stainless Steel Filter
WPF-4B-K-250SS	1/4 inch Barbed PVDF with 250 Micron Stainless Steel Filter
WPF-4B-N-48	1/4 inch Barbed 48 Micron Nylon Filter
WPF-4B-P-149	1/4 inch Barbed 149 Micron Polypropylene Filter
WPF-4B-PVDF-250	1/4 inch Barbed 250 Micron PVDF Filter
<b>WPF-FLLMLLR-PC-200PE</b>	<b>Female to Male Luer, Polycarbonate, 200 Micron Polyester</b>

## BHUDC SERIES



The **BHUDC Series Bulkheads** are Manufactured by **Pneuline Supply, Inc.** in-house and offer a unique flatted side for a Greenlee D punch, thus avoiding the possibility for the Bulkhead to turn. Bulkheads are assigned sizes from the outside of the panel to the inside. Available in 1/8 inch, 1/4 inch, and 3/8 inch Hose Barb sizes, or any combination. The 3/8 inch panel fitting does not have a flatted side. Also, the materials available are Natural Nylon, Black Nylon, Polypropylene, PVDF, and Acetal. Zinc-plated nuts are available for Nylon bulkheads, and Nylon nuts are available for all other bulkheads.

SKU	Description
BHUDC-2B2B-BN	1/8 inch Barb by 1/8 inch Barb Black Nylon Bulkhead
BHUDC-2B2B-N	1/8 inch Barb by 1/8 inch Barb Nylon Bulkhead
BHUDC-2B4B-BN	1/8 inch Barb by 1/4 inch Barb Black Nylon Bulkhead
BHUDC-2B4B-N	1/8 inch Barb by 1/4 inch Barb Nylon Bulkhead

<b>SKU</b>	<b>Description</b>
BHUDC-2B4B-NK	1/8 inch Barb by 1/4 inch Barb PVDF Bulkhead
BHUDC-4B170-PP	1/4 inch Barb by .170 Barb Nylon Bulkhead
BHUDC-4B4B-BK-PP	1/4 inch by 1/4 inch Black Polypropylene Bulkhead
BHUDC-4B4B-BN	1/4 inch by 1/4 inch Black Nylon Bulkhead
BHUDC-4B4B-N	1/4 inch Barb by 1/4 inch Barb Nylon Bulkhead
BHUDC-4B4B-NK	1/4 inch Barb by 1/4 inch Barb PVDF Bulkhead
BHUDC-4B4B-PP	1/4 inch Barb Natural Polypropylene Bulkhead
BHUDC-4B6B-BN	1/4 inch Barb by 3/8 inch Barb Black Nylon Bulkhead
BHUDC-4B6B-N	1/4 inch Barb by 3/8 inch Barb Nylon Bulkhead
BHUDC-4B6B-PP	1/4 inch Barb by 3/8 inch Barb Polypropylene Bulkhead
BHUDC-6B170B-N	3/8 inch Barb by .170 Barb Nylon Bulkhead
BHUDC-6B6B-AC	3/8 inch Barb by 3/8 inch Barb Acetal Bulkhead
BHUDC-6B6B-BN	3/8 inch Barb by 3/8 inch Barb Black Nylon Bulkhead
BHUDC-6B6B-N	3/8 inch Barb Nylon Bulkhead
BHUDC-6B6B-PP	3/8 inch Barb by 3/8 inch Barb Polypropylene Bulkhead