

POLYETHYLENE

WPF SERIES | PLASTIC INLINE FILTERS



Plastic Inline Filters

WPF Series Filters are manufactured in-house to custom specification per customer requirements. Barbed and Luer connectors are available in various combinations such as...  
- 1/8, 3/16, 1/4, 5/16, and 3/8 barbs. Male and Female Luers available. Our luer end can connect to any of the barb connections. Used for lab applications, medical applications, industrial products.

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

Operating Pressure is 50 PSI This series has a flat filter welded into the housing which are available in several different filter medias.

-Fabric

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

-Porous high density polyethylene

- Hydrophobic in nature, therefor 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 micron

Contact us for other available mesh sizes for special order.

[Download](#) the WPF Series Flyer

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
WPF-2B-PC-20N	1/8 inch Barbed Polycarbonate with 20 Micron Nylon In-Line Filter

SKU	Description
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-FLMLLR-PC-200PE</b>	<b>Female to Male Luer, Polycarbonate, 200 Micron Polyester</b>

## TS SERIES

The 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
TS-8M-70	1/2 inch MNPT 70 Micron Black Muffler

SKU	Description
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



STW LOW DENSITY POLYETHYLENE SPIRAL WRAP

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



## 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, 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
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



## PWF SERIES

The PWF Series Plastic Bowl Filters have a Polypropylene or Nylon housing with clear, low 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

SKU	Description
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

## 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
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

SKU	Description
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



## 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 is 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

SKU	Description
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
LF-24F-PNC-V-80	1-1/2 inch FNPT Poly Top clear nylon bowl, FKM seal,80 Mesh

## L SERIES



The L Series are standard triple barbed elbow connectors, and are offered in both equal and reducing sizes. These elbow connectors are molded of Natural Nylon or Polyethylene. Optional materials include: Natural 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.

SKU	Description
L-4B-NN	1/4 inch Natural Nylon Barbed Elbow Connector
L-4B-NPP	1/4 inch Natural Polypropylene Barbed Elbow Connector
L-4B-BKPP	1/4 inch Black Polypropylene Barbed Elbow Connector
L-4B-PE	1/4 inch Polyethylene Barbed Elbow Connector
L-5B-NN	5/16 inch Natural Nylon Barbed Elbow Connector
L-5B-NPP	5/16 inch Natural Polypropylene Barbed Elbow Connector
L-5B-BKPP	5/16 inch Black Polypropylene Barbed Elbow Connector
L-5B-PE	5/16 inch Polyethylene Barbed Elbow Connector
L-6B-NN	3/8 inch Natural Nylon Barbed Elbow Connector
L-6B-NPP	3/8 inch Natural Polypropylene Barbed Elbow Connector
L-6B-BKPP	3/8 inch Black Polypropylene Barbed Elbow Connector
L-6B-PE	3/8 inch Polyethylene Barbed Elbow Connector
L-8B-NN	1/2 inch Natural Nylon Barbed Elbow Connector
L-8B-NPP	1/2 inch Natural Polypropylene Barbed Elbow Connector
L-8B-BKPP	1/2 inch Black Polypropylene Barbed Elbow Connector
L-8B-PE	1/2 inch Polyethylene Barbed Elbow Connector
L-10B-NN	5/8 inch Natural Nylon Barbed Elbow Connector
L-10B-NPP	5/8 inch Natural Polypropylene Barbed Elbow Connector
L-10B-BKPP	5/8 inch Black Polypropylene Barbed Elbow Connector

SKU	Description
L-10B-PE	5/8 inch Polyethylene Barbed Elbow Connector
L-12B-NN	3/4 inch Natural Nylon Barbed Elbow Connector
L-12B-NPP	3/4 inch Natural Polypropylene Barbed Elbow Connector
L-12B-BKPP	3/4 inch Black Polypropylene Barbed Elbow Connector
L-12B-PE	3/4 inch Polyethylene Barbed Elbow Connector
L-16B-NN	1 inch Natural Nylon Barbed Elbow Connector
L-16B-NPP	1 inch Natural Polypropylene Barbed Elbow Connector
L-16B-BKPP	1 inch Black Polypropylene Barbed Elbow Connector
L-16B-PE	1 inch Polyethylene Barbed Elbow Connector
L-20B-NN	1-1/4 inch Natural Nylon Barbed Elbow Connector
L-20B-NPP	1-1/4 inch Natural Polypropylene Barbed Elbow Connector
L-20B-BKPP	1-1/4 inch Black Polypropylene Barbed Elbow Connector
L-20B-PE	1-1/4 inch Polyethylene Barbed Elbow Connector
L-24B-NN	1-1/2 inch Natural Nylon Barbed Elbow Connector
L-24B-NPP	1-1/2 inch Natural Polypropylene Barbed Elbow Connector
L-24B-BKPP	1-1/2 inch Black Polypropylene Barbed Elbow Connector
L-24B-PE	1-1/2 inch Polyethylene Barbed Elbow Connector
L-8B4B-NN	1/2 inch by 1/4 inch Natural Nylon Barbed Elbow Reducer
L-8B4B-NPP	1/2 inch by 1/4 inch Natural Polypropylene Barbed Elbow Reducer
L-8B4B-BKPP	1/2 inch by 1/4 inch Black Polypropylene Barbed Elbow Reducer
L-8B4B-PE	1/2 inch by 1/4 inch Polyethylene Barbed Elbow Reducer
L-8B6B-NN	1/2 inch by 3/8 inch Natural Nylon Barbed Elbow Reducer
L-8B6B-NPP	1/2 inch by 3/8 inch Natural Polypropylene Barbed Elbow Reducer
L-8B6B-BKPP	1/2 inch by 3/8 inch Black Polypropylene Barbed Elbow Reducer
L-8B6B-PE	1/2 inch by 3/8 inch Polyethylene Barbed Elbow Reducer



## 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. 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
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

SKU	Description
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



## HN-R STANDARD MALE TO MALE HEX NIPPLE

The HN-R Series is a standard 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



FV INLINE 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 pumps and switches and valves from contamination. Units are available with a 1/8 inch barb or with a male luer fitting on each end, measuring 2.4 inch in length and .75 inch in diameter. Filters are available with 10 or 25 micron filters. 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



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



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
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

## 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



## 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 reducing 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

SKU	Description
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
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
CC-516-NN-PG	5/16 inch OD by 5/16 inch OD Connector Natural Nylon Compression with Poly Gripper

SKU	Description
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
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



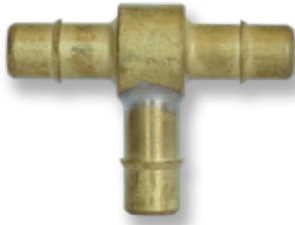
BTR SERIES

The BTR Series bite-style Reducing Tee Fittings are available in Brass, Nickel-Plated Brass, or 303 Stainless is designed for use with Polyurethane or Polyethylene tubing for securely holding the tubing from slipping or pulling off. Available barb sizes range from 1/16 inch to 3/8 inch.

SKU	Description
BTR-078B1B	.078 to 1/16 inch Reducing Tee
BTR-170B1B	.170 to 1/16 inch Reducing Tee
BTR-170B78B	.170 to .78 Reducing Tee
BTR-1B2B	1/16 inch to 1/8 inch Reducing Tee
BTR-170B332B	.170 to 3/32 inch Reducing Tee
BTR-2B170B	1/8 inch by .170 Reducing Tee
BTR-2B1B	1/8 inch to 1/16 inch Reducing Tee
BTR-2B332B	1/8 inch to 3/32 inch Reducing Tee
BTR-2B732B	1/8 inch to 7/32 inch Reducing Tee
BTR-2B78B	1/8 inch to .078 Reducing Tee
BTR-3B2B	3/16 inch to 1/8 inch Reducing Tee
BTR-3B332B	3/16 inch to 3/32 inch Reducing Tee
BTR-3B78B	3/16 inch to .078 Reducing Tee
BTR-4B170B	1/4 inch to .170 Reducing Tee
BTR-4B2B	1/4 inch to 1/8 inch Reducing Tee
BTR-4B332B	1/4 inch to 3/32 inch Reducing Tee
BTR-4B6B	1/4 inch to 3/8 inch Reducing Tee
BTR-4B732B	1/4 inch to 7/32 inch Reducing Tee
BTR-4B78B	1/4 inch to .078, 5/64 Reducing Tee
BTR-6B5B	3/8 inch to 5/16 inch Reducing Tee
BTR-732B1B	7/32 inch to 1/16 inch Reducing Tee
BTR-732B332B	7/32 inch to 3/32 inch Reducing Tee
BTR-732B078B	7/32 inch to .078 5/64, Reducing Tee
BTR-8B5B	1/2 inch to 5/16 inch Reducing Tee



## BT SERIES



BT Series fittings are available in Brass, Nickel-Plated Brass, 303 Stainless Steel and 316 Stainless Steel. Designed for use with Polyurethane or Polyethylene tubing for securely holding the tubing from slipping or pulling off. Available barb sizes range from 1/32 inch to 3/4 inch.

SKU	Description
BT-132B	.031 Brass Tee
BT-364B	3/64, .045 Brass Tee
BT-1B	1/16 inch Brass Tee
BT-564B	.078 2MM, Brass Tee
BT-332B	3/32 inch Brass Tee
BT-2B	1/8 inch Brass Tee
BT-532B	5/32 4MM, Brass Tee
BT-170B	.170 Brass Tee
BT-3B	3/16 inch Brass Tee
BT-732B	7/32 inch Brass Tee
BT-4B	1/4 inch Brass Tee
BT-5B	5/16, 8 MM Brass Tee
BT-6B	3/8 inch Brass Tee
BT-8B	1/2 inch Brass Tee

## BNC BARB TO BARB BYTE-STYLE FITTING



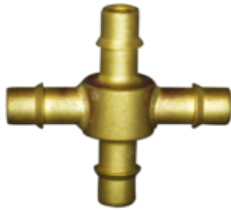
The BNC Series bite-style fittings are available in Brass, Nickel-Plated Brass, or 303 Stainless Steel. This series is designed to be used with Polyurethane or Polyethylene tubing for securely holding the tubing from slipping or pulling off. Available barb sizes range from 1/16 inch to 3/8 inch. Optional Orifice and Slim Line are available.

SKU	Description
BNC-170B	.170 Brass Connector
BNC-078B	.078 Brass Connector
BNC-332B	3/32 inch Brass Connector
BNC-332B-SL	3/32 inch Brass Connector Slim Line
BNC-1B	1/16 inch Brass Connector
BNC-1B-SL	1/16 inch Brass Connector Slim Line
BNC-2B	1/8 inch Brass Connector
BNC-3B	3/16 inch Brass Connector
BNC-4B	1/4 inch Brass Connector

SKU	Description
BNC-532B	5/32 inch Brass Connector
BNC-564B	5/64 inch Brass Connector
BNC-564B-SL	5/64 inch Brass Connector Slim Line
BNC-5B	5/16 inch Brass Connector
BNC-6B	3/8 inch Brass Connector
BNCR-170B-1B	.170 to 1/16 inch Brass Reducer
BNCR-170B-2B	.170 to 1/8 inch Brass Reducer
BNCR-170B-332B	.170 to 3/32 inch Brass Reducer
BNCR-170B-532B	.170 to 5/32 inch Brass Reducer
BNCR-170B-564B	.170 to 5/64 inch Brass Reducer
BNCR-170B78B	.170 to .078 Brass Reducer
BNCR-2B-170B	1/8 inch to .170 Brass Reducer
BNCR-2B-1B	1/8 inch to 1/16 inch Brass Reducer
BNCR-2B-2B	1/8 inch to 1/8 inch Brass Reducer
BNCR-2B-332B	1/8 inch to 3/32 inch Brass Reducer
BNCR-2B-3B	1/8 inch to 3/16 inch Brass Reducer
BNCR-2B-4B	1/8 inch to 1/4 inch Brass Reducer
BNCR-2B-532B	1/8 inch to 5/32 inch Brass Reducer
BNCR-2B-564B	1/8 inch to 5/64 inch Brass Reducer
BNCR-2B-5B	1/8 inch to 5/16 inch Brass Reducer
BNCR-2B-6B	1/8 inch to 3/8 inch Brass Reducer
BNCR-2B78B	1/8 inch to .078 Brass Reducer
BNCR-332B1B	3/32 inch to 1/16 inch Brass Reducer
BNCR-332B564B	3/32 inch to 5/64 inch Brass Reducer
BNCR-3B-170B	3/16 inch to .170 Brass Reducer
BNCR-3B-1B	3/16 inch to 1/16 inch Brass Reducer
BNCR-3B-2B	3/16 inch to 1/8 inch Brass Reducer
BNCR-3B-332B	3/16 inch to 3/32 inch Brass Reducer
BNCR-3B-3B	3/16 inch to 3/16 inch Brass Reducer
BNCR-3B-4B	3/16 inch to 1/4 inch Brass Reducer
BNCR-3B-532B	3/16 inch to 5/32 inch Brass Reducer
BNCR-3B-564B	3/16 inch to 5/64 inch Brass Reducer
BNCR-3B-5B	3/16 inch to 5/16 inch Brass Reducer
BNCR-3B-6B	3/16 inch to 3/8 inch Brass Reducer
BNCR-4B-170B	1/4 inch to .170 Brass Reducer
BNCR-4B-1B	1/4 inch to 1/16 inch Brass Reducer
BNCR-4B2B	1/4 inch to 1/8 inch Brass Reducer
BNCR-4B-332B	1/4 inch to 3/32 inch Brass Reducer
BNCR-4B-3B	1/4 inch to 3/16 inch Brass Reducer
BNCR-4B-532B	1/4 inch to 5/32 inch Brass Reducer

SKU	Description
BNCR-4B-564B	1/4 inch to 5/64 inch Brass Reducer
BNCR-4B732B	1/4 inch to 7/32 inch Brass Reducer
BNCR-4B78B	1/4 inch to .078 Brass Reducer
BNCR-532B-1B	5/32 inch to 1/16 inch Brass Reducer
BNCR-532B-2B	5/32 inch to 1/8 inch Brass Reducer
BNCR-532B-332B	5/32 inch to 3/32 inch Brass Reducer
BNCR-532B-564B	5/32 inch to 5/64 inch Brass Reducer
BNCR-564B-1B	5/64 inch to 1/16 inch Brass Reducer
BNCR-5B-170B	5/16 inch to .170 Brass Reducer
BNCR-5B-1B	5/16 inch to 1/16 inch Brass Reducer
BNCR-5B-2B	5/16 inch to 1/8 inch Brass Reducer
BNCR-5B-332B	5/16 inch to 3/32 inch Brass Reducer
BNCR-5B-3B	5/16 inch to 3/16 inch Brass Reducer
BNCR-5B-4B	5/16 inch to 1/4 inch Brass Reducer
BNCR-5B-532B	5/16 inch to 5/32 inch Brass Reducer
BNCR-5B-564B	5/16 inch to 5/64 inch Brass Reducer
BNCR-6-1	3/8 inch Barb to 1/16 inch Barb Bite Style
BNCR-6B-170B	3/8 inch to .170 Brass Reducer
BNCR-6B-1B	3/8 inch to 1/16 inch Brass Reducer
BNCR-6B-2B	3/8 inch to 1/8 inch Brass Reducer
BNCR-6B-332B	3/8 inch to 3/32 inch Brass Reducer
BNCR-6B-3B	3/8 inch to 3/16 inch Brass Reducer
BNCR-6B4B	3/8 inch to 1/4 inch Brass Reducer
BNCR-6B-532B	3/8 inch to 5/32 inch Brass Reducer
BNCR-6B-564B	3/8 inch to 5/64 inch Brass Reducer
BNCR-6B-5B	3/8 inch to 5/16 inch Brass Reducer
BNCR-6B732B	3/8 inch to 7/32 inch Brass Reducer
BNCR-732B078B	7/32 inch to .078 Brass Reducer
BNCR-732B1B	7/32 inch to 1/16 inch Brass Reducer
BNCR-732B332B	7/32 inch to 3/32 inch Brass Reducer
BNCR-78B1B	.078 to 1/16 inch Brass Reducer
BNCR-8B170B	1/2 inch to 170 Brass Reducer
BNCR-8B332B	1/2 inch Barb to 3/32 inch Barb
BNCR-8B4B	1/2 inch to 1/4 inch Brass Reducer
BNCR-8B6B	1/2 inch to 3/8 inch Brass Reducer

## BCX SERIES



The BCX and the BCXR Series are bite-style cross fittings. The BCXR Series is the reducing version of the BCX Series. These crosses have single sharp barbs to securely hold the tubing from slipping or pulling off. They are excellent fittings for use with Polyurethane or Polyethylene tubing. Made in Brass, Nickel-Plated Brass or 303 Stainless Steel. Available barb sizes range from 1/16 inch to 3/8 inch.

SKU	Description
BCX-078B	.078 inch Barbed Brass Cross
BCX-1.25B	.078 inch Barbed Brass Cross
BCX-170B	.170 inch Barbed Brass Cross
BCX-1B	1/16 inch Barbed Brass Cross
BCX-2B	1/8 inch Barbed Brass Cross
BCX-332B	3/32 inch Barbed Brass Cross
BCX-3B	3/16 inch Barbed Brass Cross
BCX-4B	1/4 inch Barbed Brass Cross
BCX-532B	5/32 inch Barbed Brass Cross
BCX-6B	3/8 inch Barbed Brass Cross
BCXR-3X170B078B	.170 inch by .078 inch Barbed Reducing Brass Cross
BCXR-3X170B1.25B	.170 inch by .078 inch Barbed Reducing Brass Cross
BCXR-3X1B2B	1/16 inch by 1/8 inch Barbed Reducing Brass Cross

## 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
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

SKU	Description
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
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

SKU	Description
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
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

SKU	Description
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
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

SKU	Description
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
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
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



SKU	Description
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

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