



High Purity Fittings & Connectors



FITTING MATERIALS AVAILABLE

- PTFE
- PFA
- PVDF

TUBE FITTINGS

Barbed Fitting
Bulkhead Female Connector
Bulkhead Male Connector
Bulkhead Union
Female Branch Tee
Female Connector
Female Elbow
Female Run Tee
Male Branch Tee
Male Connector
Male Elbow
Male Run Tee
Reducing Union
Tube Cap
Tube Insert
Union
Union Cross
Union Elbow
Union Elbow Reducer
Union Tee

THREE COMPRESSION NUT MATERIAL TYPES

- HA - Injection Molded PVDF Nut** (Standard Configuration)
- TA - PTFE Nut with Anodized Aluminum Support Band
- TS - PTFE Nut with Stainless Support Band

FLARED FITTINGS

Male Connector
Female Connector
Union Elbow
Union Elbow Reducer
Union Tee
Male Run Tee
Male Branch Tee
Bulkhead Union
Bulkhead Male Connector
Bulkhead Union Reducer
Union
Union Reducer
Male Elbow
Flare Caps

PIPE FITTINGS

Bushing
Coupling
Elbow
Female Reducer
Pipe Nipple
Pipe Union
Plug
Tee

SPARES

Ferrule**
Nut
Panel Nut

MINI FITTINGS

Nut
Ferrule
Insertion Tool

**All HA style fittings are standard equipped with a PTFE ferrule & Kynar Gripper.



SPECIFICATIONS: Tube Fitting Assembly

Pressure Ratings:

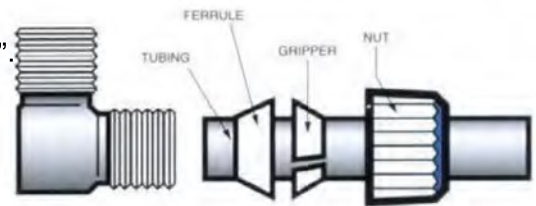
- Performance at ambient room conditions: 120 psi for 1/16" fittings linear decreasing to 80 psi for 3/4" fittings and 60 psi for fittings larger than 3/4".
- Performance at elevated temperatures up to 85°C/185°F: 90 psi for 1/16" fittings linear decreasing to 60 psi for 3/4" fittings and 40 psi for fittings larger than 3/4".
- Contact factory for temperature ratings above 85°C / 185°F.
- Temperature below 72° F the pressure rating does not increase or decrease. Pressure rating is maintained from 72° F and below.
- See page 23 for further details

Materials of Construction

- Fittings: Machined from virgin Polytetrafluoroethylene (PTFE).
- Ferrules: Ferrules are machined from virgin Polytetrafluoroethylene (PTFE).
- Grippers: The Gripper in the two piece Ferrule-Gripper assemblies are manufactured from PVDF.
- Nuts: The "HA" style nuts are molded PVDF.

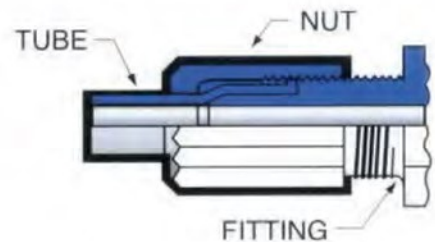
Pressure performance ratings are based on laboratory testing, industry standard material characteristics and historical data. A combination of extreme temperature and pressure may affect these products. The user is responsible for verifying the suitability of these products for their application.

FERRULE & GRIPPER STYLE



1. Cut tubing to desired length.
2. Loosen the nut, insert tube.
3. Tighten the nut finger tight.
4. The fitting is ready to use.

FLARED END STYLE



ORDERING FORMAT

MC - F - 8 6

Indicates Connection Size

Tube O.D., FNPT, MNPT, or Flared I.D

Example: 6 = 6/16" (3/8"), O.D
6 = 6mm Tube O.D
6 = 3/8 Flared I.D

Indicates Connection Size

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Tube O.D or Flare O.D is Listed Before NPT Size

Indicates Fitting Category

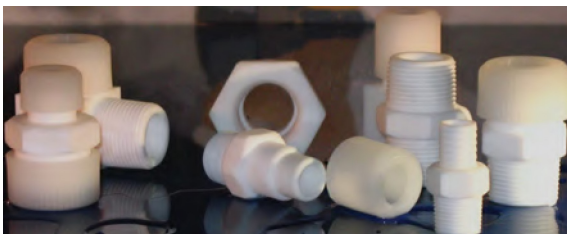
F = Fractional Size Tube Fitting
M = Metric Size Tube Fitting
P = Pipe Fitting
FF = Fractional Flared

Indicates Type of Fitting

Example: MC-F-86 = Male Connector
Fractional Size to connect 1/2" O.D Tubing to 3/8" MNPT,
PVDF Nut

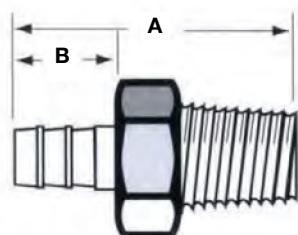
Note:

Exceptions to above ordering procedure
Barbed Fittings
Bugle Fittings
Mini Fittings



Barbed Fitting

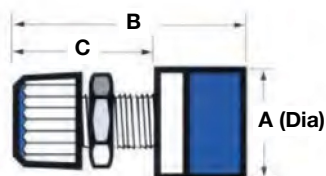
101660



Part #	Hose I.D.	Male Pipe	A Dim.	B Dim.
BF-F-12	1/16"	1/8" NPT	.99	.38
BF-F-22	1/8"	1/8" NPT	.99	.38
BF-F-32	3/16"	1/8" NPT	1.13	.50
BF-F-34	3/16"	1/4" NPT	1.44	.50
BF-F-36	3/16"	3/8" NPT	1.44	.50
BF-F-54	5/16"	1/4" NPT	1.56	.63
BF-F-56	5/16"	3/8" NPT	1.56	.63
BF-F-58	5/16"	1/2" NPT	1.88	.63
BF-F-64	3/8"	1/4" NPT	1.44	.50
BF-F-66	3/8"	3/8" NPT	1.44	.50
BF-F-68	3/8"	1/2" NPT	1.75	.50
BF-F-74	7/16"	3/8" NPT	1.69	.75
BF-F-76	7/16"	3/8" NPT	1.69	.75
BF-F-78	7/16"	1/2" NPT	2.00	.75
BF-F-712	7/16"	3/4" NPT	2.00	.75
BF-F-1112	11/16"	3/4" NPT	2.13	.88
BF-F-1116	11/16"	1" NPT	2.32	.88
BF-F-1616	1"	1" NPT	2.44	1.00

Bulkhead Female Connector

101772



Part #	Tube O.D.	FNPT (Drill Size)	Panel Hole	A Dim.	B Dim.	C Dim.
BFC-F-22	1/8"	1/8" NPT	21/64	.75	1.51	.88
BFC-F-32	3/16"	1/8" NPT	25/64	.75	1.51	.88
BFC-F-42	1/4"	1/8" NPT	29/64	.75	1.70	.94
BFC-F-44	1/4"	1/4" NPT	29/64	.84	1.88	.94
BFC-F-54	5/16"	1/4" NPT	37/64	.84	1.88	.94
BFC-F-56	5/16"	3/8" NPT	37/64	1.00	1.88	.94
BFC-F-66	3/8"	3/8" NPT	45/64	1.00	1.94	1.00
BFC-F-88	1/2"	1/2" NPT	57/64	1.25	2.44	1.19
BFC-F-1616	1"	1" NPT	11/64	1.75	2.94	1.50
BFC-M-42	4mm	1/8" NPT	25/64	.75	1.38	.75
BFC-M-62	6mm	1/8" NPT	29/64	.75	1.70	.94
BFC-M-64	6mm	1/4" NPT	29/64	.84	1.88	.94
BFC-M-84	8mm	1/4" NPT	37/64	.84	1.88	.94
BFC-M-104	10mm	1/4" NPT	45/64	.84	1.94	1.00
BFC-M-106	10mm	3/8" NPT	45/64	1.00	1.94	1.00

Call iPolymer with your special application requirements.

We manufacture short-run custom machined PTFE and PVDF Fittings.

iPolymer Product Notes:

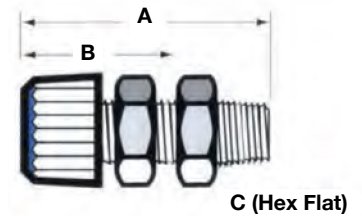
1. Please email Customer Service at info@ipolymer.com
2. Call us for special applications. We can manufacture our Fittings with special mounting and interface dimensions.
3. Upon request, alternate material selection from those listed will allow for expanding temperature ratings or other performance characteristics.
4. Unauthorized disassembly of this product will void the original factory one-year product warranty. For further details please contact your local Distributor or our factory directly.

200304

Part #	Tube O.D.	Male Pipe	Panel Hole (Drill Size)	A Dim.	B Dim.	C Dim.
BMC-F-22	1/8"	1/8 NPT	21/64	1.51	.88	.44
BMC-F-32	3/16"	1/8 NPT	25/64	1.51	.88	.44
BMC-F-42	1/4"	1/8 NPT	29/64	1.57	.94	.56
BMC-F-44	1/4"	1/4 NPT	29/64	1.88	.94	.56
BMC-F-54	5/16"	1/4 NPT	37/64	1.88	.94	.75
BMC-F-56	5/16"	3/8 NPT	37/64	1.88	.94	.75
BMC-F-64	3/8"	1/4 NPT	45/64	1.94	1.00	.75
BMC-F-66	3/8"	3/8 NPT	45/64	1.94	1.00	.75
BMC-F-88	1/2"	1/2 NPT	57/64	2.38	1.13	.94
BMC-F-1616	1"	1" NPT	11/64	2.94	1.50	1.50
BMC-M-42	4mm	1/8 NPT	25/64	1.51	.88	.44
BMC-M-62	6mm	1/8 NPT	29/64	1.59	.94	.56
BMC-M-64	6mm	1/4 NPT	29/64	1.88	.94	.56
BMC-M-84	8mm	1/4 NPT	37/64	1.88	.94	.75
BMC-M-104	10mm	1/4 NPT	45/64	1.94	1.00	.75
BMC-M-106	10mm	3/8 NPT	45/64	1.94	1.00	.75

Bulkhead Male Connector

101788



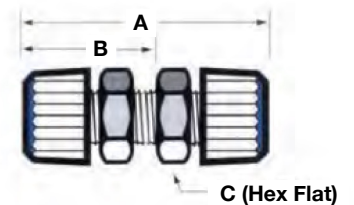
C (Hex Flat)

NOTE: For 1/4" max. panel thickness

Part #	Tube O.D.	Panel Hole (Drill Size)	A Dim.	B Dim.	C Dim.
BU-F-2	1/8"	21/64	1.51	.88	.44
BU-F-3	3/16"	25/64	1.51	.88	.44
BU-F-4	1/4"	29/64	1.81	.94	.56
BU-F-5	5/16"	37/64	1.81	.94	.75
BU-F-6	3/8"	45/64	1.81	.94	.75
BU-F-8	1/2"	57/64	2.25	1.19	.94
BU-F-10	5/8"	1-1/64	2.33	1.23	1.13
BU-F-12	3/4"	1-9/64	2.38	1.25	1.13
BU-F-16	1"	1-25/64	2.53	1.33	1.50
BU-F-11	1.1"	1-1/2	2.62	1.44	1.59
BU-M-4	4mm	25/64	1.51	.88	.44
BU-M-6	6mm	29/64	1.81	.94	.56
BU-M-8	8mm	37/64	1.81	.94	.75
BU-M-10	10mm	45/64	1.81	.94	.75
BU-M-12	12mm	57/64	2.25	1.19	.94

Bulkhead Union

101004

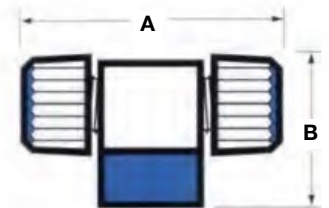


C (Hex Flat)

Part #	Tube O.D.	Female Pipe	A Dim.	B Dim.
FBT-F-22	1/8"	1/8 NPT	1.39	1.01
FBT-F-32	3/16"	1/8 NPT	1.39	1.01
FBT-F-42	1/4"	1/8 NPT	1.63	1.01
FBT-F-44	1/4"	1/4 NPT	1.75	1.31
FBT-F-64	3/8"	1/4 NPT	1.75	1.31
FBT-F-66	3/8"	3/8 NPT	1.88	1.44
FBT-F-68	3/8"	1/2 NPT	2.13	1.88
FBT-F-86	1/2"	3/8 NPT	2.12	1.56
FBT-F-88	1/2"	1/2 NPT	2.25	1.88
FBT-F-108	5/8"	1/2 NPT	2.33	1.88
FBT-F-1212	3/4"	3/4 NPT	2.62	2.13
FBT-F-1616	1"	1" NPT	2.90	2.44
FBT-M-42	4mm	1/8 NPT	1.39	1.01
FBT-M-62	6mm	1/8 NPT	1.63	1.01
FBT-M-64	6mm	1/4 NPT	1.75	1.31
FBT-M-84	8mm	1/4 NPT	1.75	1.31
FBT-M-104	10mm	1/4 NPT	1.75	1.31
FBT-M-106	10mm	3/8 NPT	1.88	1.44

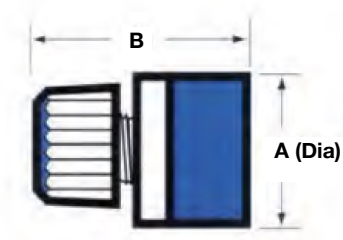
Female Branch Tee

101612



Female Connector

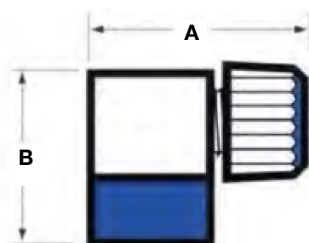
101619



Part #	Tube O.D.	Female Pipe	A Dim.	B Dim.
FC-F-22	1/8"	1/8" NPT	.75	1.14
FC-F-24	1/8"	1/4" NPT	.84	1.32
FC-F-32	3/16"	1/8" NPT	.75	1.14
FC-F-42	1/4"	1/8" NPT	.75	1.26
FC-F-44	1/4"	1/4" NPT	.84	1.44
FC-F-46	1/4"	3/8" NPT	1.00	1.44
FC-F-66	3/8"	3/8" NPT	1.00	1.44
FC-F-84	1/2"	1/4" NPT	.875	1.62
FC-F-86	1/2"	3/8" NPT	1.00	1.62
FC-F-88	1/2"	1/2" NPT	1.25	1.81
FC-F-124	3/4"	1/4" NPT	1.13	1.68
FC-F-128	3/4"	1/2" NPT	1.13	1.87
FC-F-1212	3/4"	3/4" NPT	1.50	1.87
FC-F-1616	1"	1" NPT	1.75	2.14
FC-M-42	4mm	1/8" NPT	.75	1.14
FC-M-62	6mm	1/8" NPT	.75	1.26
FC-M-64	6mm	1/4" NPT	.84	1.44
FC-M-84	8mm	1/4" NPT	.84	1.44
FC-M-104	10mm	1/4" NPT	.84	1.44
FC-M-106	10mm	3/8" NPT	1.00	1.44
FC-M-128	12mm	1/2" NPT	1.25	1.81

Female Elbow

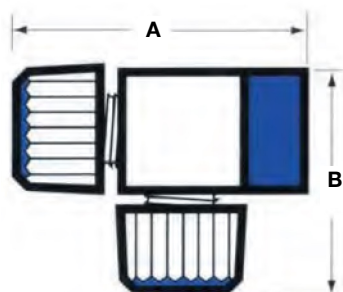
101611



Part #	Tube O.D.	Female Pipe	A Dim.	B Dim.
FE-F-22	1/8"	1/8" NPT	1.01	1.01
FE-F-32	3/16"	1/8" NPT	1.01	1.01
FE-F-42	1/4"	1/8" NPT	1.13	1.13
FE-F-44	1/4"	1/4" NPT	1.31	1.31
FE-F-64	3/8"	1/4" NPT	1.31	1.31
FE-F-66	3/8"	3/8" NPT	1.44	1.44
FE-F-68	3/8"	1/2" NPT	1.88	1.88
FE-F-86	1/2"	3/8" NPT	1.56	1.56
FE-F-88	1/2"	1/2" NPT	1.88	1.88
FE-F-108	5/8"	1/2" NPT	1.88	1.88
FE-F-128	3/4"	1/2" NPT	2.00	2.00
FE-F-1212	3/4"	3/4" NPT	2.13	2.13
FE-F-1616	1"	1" NPT	2.44	2.44
FE-M-42	4mm	1/8" NPT	1.01	1.01
FE-M-62	6mm	1/8" NPT	1.13	1.13
FE-M-64	6mm	1/4" NPT	1.31	1.31
FE-M-84	8mm	1/4" NPT	1.31	1.31
FE-M-104	10mm	1/4" NPT	1.31	1.31
FE-M-106	10mm	3/8" NPT	1.44	1.44

Female Run Tee

101003



Part #	Tube O.D.	Female Pipe	A Dim.	B Dim.
FRT-F-22	1/8"	1/8" NPT	1.39	1.01
FRT-F-32	3/16"	1/8" NPT	1.39	1.01
FRT-F-42	1/4"	1/8" NPT	1.50	1.13
FRT-F-44	1/4"	1/4" NPT	1.81	1.25
FRT-F-52	5/16"	1/8" NPT	1.50	1.13
FRT-F-64	3/8"	1/4" NPT	1.81	1.25
FRT-F-86	1/2"	3/8" NPT	2.13	1.56
FRT-F-88	1/2"	1/2" NPT	2.44	1.73
FRT-F-108	5/8"	1/2" NPT	2.48	1.73
FRT-F-1212	3/4"	3/4" NPT	2.75	2.00
FRT-F-1616	1"	1" NPT	3.14	2.20
FRT-M-42	4mm	1/8" NPT	1.38	1.00
FRT-M-62	6mm	1/8" NPT	1.50	1.13
FRT-M-64	6mm	1/4" NPT	1.81	1.25
FRT-M-84	8mm	1/4" NPT	1.81	1.25
FRT-M-104	10mm	1/4" NPT	1.81	1.25
FRT-M-106	10mm	3/8" NPT	1.94	1.38

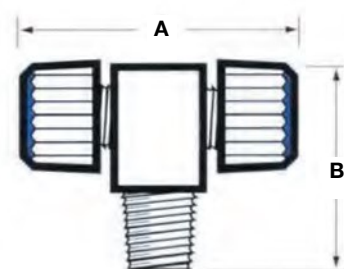
Part #	Tube O.D.	Male Pipe	A Dim.	B Dim.
MBT-F-22	1/8"	1/8" NPT	1.20	1.01
MBT-F-24	1/8"	1/4" NPT	1.32	1.31
MBT-F-32	3/16"	1/8" NPT	1.20	1.01
MBT-F-42	1/4"	1/8" NPT	1.56	1.13
MBT-F-44	1/4"	1/4" NPT	1.56	1.13
MBT-F-46	1/4"	3/8" NPT	1.75	1.50
MBT-F-64	3/8"	1/4" NPT	1.75	1.50
MBT-F-66	3/8"	3/8" NPT	1.75	1.50
MBT-F-68	3/8"	1/2" NPT	2.00	1.94
MBT-F-86	1/2"	3/8" NPT	2.13	1.75
MBT-F-88	1/2"	1/2" NPT	2.12	1.94
MBT-F-108	5/8"	1/2" NPT	2.33	2.06
MBT-F-1212	3/4"	3/4" NPT	2.50	2.19
MBT-F-1616	1"	1" NPT	2.90	2.75
MBT-M-42	4mm	1/8" NPT	1.20	1.01
MBT-M-62	6mm	1/8" NPT	1.56	1.13
MBT-M-64	6mm	1/4" NPT	1.56	1.31
MBT-M-84	8mm	1/4" NPT	1.75	1.50
MBT-M-104	10mm	1/4" NPT	1.75	1.50
MBT-M-106	10mm	3/8" NPT	1.75	1.50

Part #	Tube O.D.	Male Pipe	A Dim.	B Dim.
MC-F-12	1/16"	1/8" NPT	1.01	.44
MC-F-21	1/8"	1/16" NPT	1.01	.44
MC-F-22	1/8"	1/8" NPT	1.01	.44
MC-F-24	1/8"	1/4" NPT	1.32	.56
MC-F-32	3/16"	1/8" NPT	1.01	.44
MC-F-41	1/4"	1/16" NPT	1.26	.56
MC-F-42	1/4"	1/8" NPT	1.26	.56
MC-F-44	1/4"	1/4" NPT	1.44	.56
MC-F-46	1/4"	3/8" NPT	1.44	.75
MC-F-48	1/4"	1/2" NPT	1.75	.94
MC-F-52	5/16"	1/8" NPT	1.26	.75
MC-F-54	5/16"	1/4" NPT	1.44	.75
MC-F-56	5/16"	3/8" NPT	1.44	.75
MC-F-64	3/8"	1/4" NPT	1.56	.75
MC-F-66	3/8"	3/8" NPT	1.56	.75
MC-F-68	3/8"	1/2" NPT	1.75	.94
MC-F-84	1/2"	1/4" NPT	1.62	.94
MC-F-86	1/2"	3/8" NPT	1.62	.94
MC-F-88	1/2"	1/2" NPT	1.81	.94
MC-F-108	5/8"	1/2" NPT	1.85	1.13
MC-F-1212	3/4"	3/4" NPT	1.87	1.25
MC-F-1612	1"	3/4" NPT	1.95	1.50
MC-F-1616	1"	1" NPT	2.14	1.50
MC-M-42	4mm	1/8" NPT	1.01	.44
MC-M-62	6mm	1/8" NPT	1.26	.56
MC-M-64	6mm	1/4" NPT	1.44	.56
MC-M-84	8mm	1/4" NPT	1.44	.75
MC-M-104	10mm	1/4" NPT	1.44	.75
MC-M-106	10mm	3/8" NPT	1.44	.75
MC-M-126	12mm	3/8" NPT	1.62	.94
MC-M-128	12mm	1/2" NPT	1.81	.94

The Bore-Through ("BT") option is available for Male Connectors #101008 and Unions #101616. This option allows the associated tube to pass completely through the fitting.

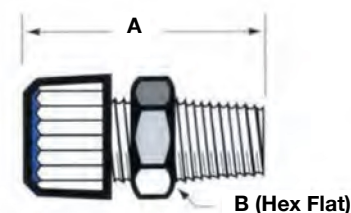
Male Branch Tee

101613



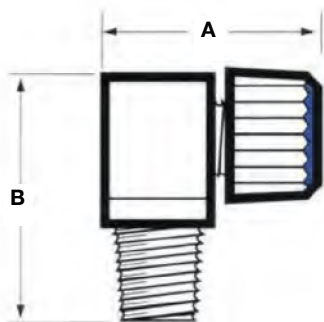
Male Connector

101008



Male Elbow

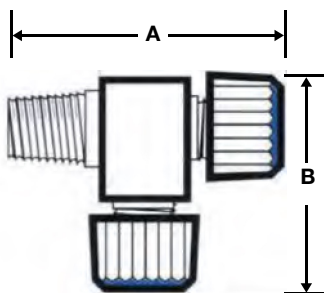
101006



Part #	Tube O.D.	Male Pipe	A Dim.	B Dim.
ME-F-22	1/8"	1/8" NPT	.82	1.01
ME-F-24	1/8"	1/4" NPT	1.06	1.31
ME-F-32	3/16"	1/8" NPT	.82	1.01
ME-F-41	1/4"	1/16" NPT	1.06	1.14
ME-F-42	1/4"	1/8" NPT	1.06	1.14
ME-F-44	1/4"	1/4" NPT	1.06	1.31
ME-F-46	1/4"	3/8" NPT	1.25	1.50
ME-F-52	5/16"	1/8" NPT	1.25	1.31
ME-F-54	5/16"	1/4" NPT	1.25	1.44
ME-F-62	3/8"	1/8" NPT	1.25	1.31
ME-F-64	3/8"	1/4" NPT	1.25	1.50
ME-F-66	3/8"	3/8" NPT	1.25	1.50
ME-F-68	3/8"	1/2" NPT	1.56	1.94
ME-F-86	1/2"	3/8" NPT	1.56	1.94
ME-F-88	1/2"	1/2" NPT	1.56	2.06
ME-F-1212	3/4"	3/4" NPT	1.88	2.31
ME-F-168	1"	1/2" NPT	2.20	2.56
ME-F-1616	1"	1" NPT	2.20	2.75
ME-M-42	4mm	1/8" NPT	.82	1.01
ME-M-62	6mm	1/8" NPT	1.06	1.31
ME-M-64	6mm	1/4" NPT	1.06	1.31
ME-M-84	8mm	1/4" NPT	1.25	1.44
ME-M-104	10mm	1/4" NPT	1.25	1.50
ME-M-106	10mm	3/8" NPT	1.25	1.50

Male Run Tee

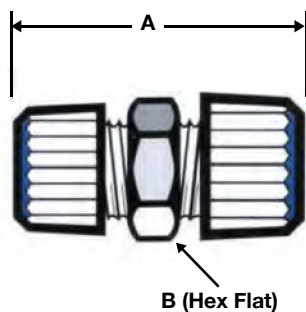
101195



Part #	Tube O.D.	Male Pipe	A Dim.	B Dim.
MRT-F-32	3/16"	1/8" NPT	1.39	.82
MRT-F-41	1/4"	1/16" NPT	1.63	.94
MRT-F-42	1/4"	1/8" NPT	1.63	1.06
MRT-F-44	1/4"	1/4" NPT	1.81	1.06
MRT-F-52	5/16"	1/8" NPT	1.81	1.25
MRT-F-54	5/16"	1/4" NPT	1.94	1.25
MRT-F-64	3/8"	1/4" NPT	2.00	1.25
MRT-F-66	3/8"	3/8" NPT	2.00	1.25
MRT-F-86	1/2"	3/8" NPT	2.31	1.56
MRT-F-88	1/2"	1/2" NPT	2.50	1.56
MRT-F-108	5/8"	1/2" NPT	2.54	1.73
MRT-F-1012	5/8"	3/4" NPT	2.67	1.73
MRT-F-1212	3/4"	3/4" NPT	2.81	1.87
MRT-F-1616	1"	1" NPT	3.33	2.20
MRT-M-42	4mm	1/8" NPT	1.39	.82
MRT-M-62	6mm	1/8" NPT	1.63	1.06
MRT-M-64	6mm	1/4" NPT	1.81	1.06
MRT-M-84	8mm	1/4" NPT	1.94	1.25
MRT-M-104	10mm	1/4" NPT	2.00	1.25
MRT-M-106	10mm	3/8" NPT	2.00	1.25

Reducing Union

101620



Part #	Tube O.D.	Tube O.D.	A Dim.	B Dim.
RU-F-32	3/16"	1/8"	1.01	.44
RU-F-42	1/4"	1/8"	1.26	.56
RU-F-43	1/4"	3/16"	1.26	.56
RU-F-52	5/16"	1/8"	1.26	.75
RU-F-54	5/16"	1/4"	1.38	.75
RU-F-64	3/8"	1/4"	1.38	.75
RU-F-84	1/2"	1/4"	1.56	.94
RU-F-86	1/2"	3/8"	1.56	.94
RU-F-104	5/8"	1/4"	1.60	1.13
RU-F-106	5/8"	3/8"	1.60	1.13
RU-F-108	5/8"	1/2"	1.66	1.13
RU-F-128	3/4"	1/2"	1.68	1.25
RU-F-1210	3/4"	5/8"	1.72	1.25
RU-F-166	1"	3/8"	1.70	1.50
RU-F-168	1"	1/2"	1.76	1.50
RU-F-1610	1"	5/8"	1.80	1.50
RU-F-1612	1"	3/4"	1.82	1.50
RU-M-46	4mm	6mm	1.26	.56
RU-M-68	6mm	8mm	1.38	.75
RU-M-610	6mm	10mm	1.38	.75
RU-M-810	8mm	10mm	1.38	.75
RU-M-812	8mm	12mm	1.56	.94
RU-M-1012	10mm	12mm	1.56	.94
RU-M-1216	12mm	16mm	1.66	1.13
RU-M-1519	15mm	19mm	1.72	1.25
RU-M-2012	20mm	12mm	1.68	1.25
RU-M-2612	26mm	12mm	1.75	1.50

Part #	Tube O.D.	A Dim.	B Dim.
TC-F-2	1/8"	.63	.44
TC-F-3	3/16"	.63	.44
TC-F-4	1/4"	.88	.56
TC-F-5	5/16"	.88	.75
TC-F-6	3/8"	.88	.75
TC-F-8	1/2"	1.06	1.00
TC-F-10	5/8"	1.10	1.13
TC-F-12	3/4"	1.12	1.25
TC-F-16	1"	1.20	1.50

Part #	Tube O.D.	Tube I.D.	A Dim.	B Dim.
TI-F-4	1/4"	3/16"	.50	.19
TI-F-5	5/16"	1/4"	.50	.25
TI-F-6	3/8"	5/16"	.55	.31
TI-F-8	1/2"	7/16"	.75	.44
TI-F-10	5/8"	9/16"	.68	.56
TI-F-12	3/4"	11/16"	.80	.69
TI-F-16	1"	7/8"	.93	.88

Part #	Tube O.D.	A Dim.	B Dim.
U-F-1	1/16"	.44	1.01
U-F-2	1/8"	.44	1.01
U-F-3	3/16"	.44	1.01
U-F-4	1/4"	.56	1.38
U-F-5	5/16"	.75	1.38
U-F-6	3/8"	.75	1.38
U-F-8	1/2"	1.00	1.62
U-F-10	5/8"	1.13	1.70
U-F-12	3/4"	1.25	1.74
U-F-16	1"	1.50	1.90
U-F-1.1	1.1"	1.63	2.12
U-M-4	4mm	.44	1.01
U-M-6	6mm	.56	1.38
U-M-8	8mm	.75	1.38
U-M-10	10mm	.75	1.38
U-M-12	12mm	1.00	1.62

Part #	Tube O.D.	A Dim.
UC-F-2	1/8"	1.20
UC-F-3	3/16"	1.20
UC-F-4	1/4"	1.56
UC-F-5	5/16"	1.75
UC-F-6	3/8"	1.75
UC-F-8	1/2"	2.12
UC-F-10	5/8"	2.33
UC-F-12	3/4"	2.49
UC-F-16	1"	2.90
UC-F-1.1	1.1"	3.25
UC-M-4	4mm	1.20
UC-M-6	6mm	1.56
UC-M-8	8mm	1.75
UC-M-10	10mm	1.75
UC-M-12	12mm	2.12

Tube Cap

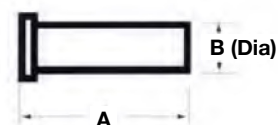
101875

B (Hex Flat)



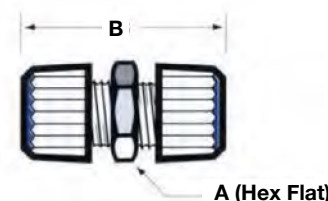
Tube Insert

100635



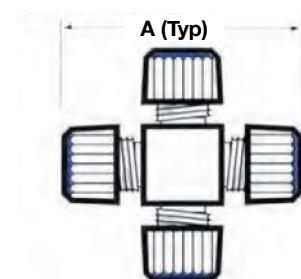
Union

101616



Union Cross

101610



Union Elbow

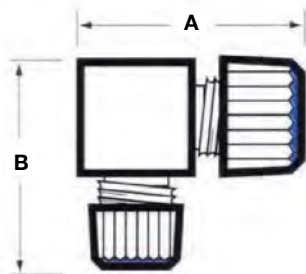
100870



Part #	Tube O.D.	A Dim.
UE-F-2	1/8"	.82
UE-F-3	3/16"	.82
UE-F-4	1/4"	1.06
UE-F-5	5/16"	1.25
UE-F-6	3/8"	1.25
UE-F-8	1/2"	1.56
UE-F-10	5/8"	1.73
UE-F-12	3/4"	1.87
UE-F-16	1"	2.20
UE-F-1.1	1.1"	2.44
UE-M-4	4mm	.82
UE-M-6	6mm	1.06
UE-M-8	8mm	1.25
UE-M-10	10mm	1.25
UE-M-12	12mm	1.56

Union Elbow Reducer

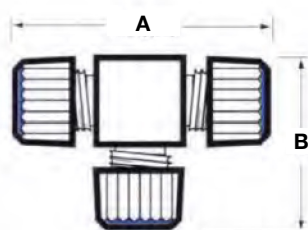
101787



Part #	Tube O.D.	Tube O.D.	A Dim.	B Dim.
UER-F-42	1/4"	1/8"	1.06	1.06
UER-F-64	3/8"	1/4"	1.25	1.25
UER-F-84	1/2"	1/4"	1.56	1.56
UER-F-86	1/2"	3/8"	1.56	1.56
UER-F-108	5/8"	1/2"	1.73	1.73
UER-F-1210	3/4"	5/8"	1.88	1.88
UER-F-1612	1"	3/4"	2.20	2.20
UER-M-84	8mm	4mm	1.25	1.25

Union Tee

101005



Part #	Tube O.D.	A Dim.	B Dim.
UT-F-2	1/8"	1.20	.82
UT-F-3	3/16"	1.20	.82
UT-F-4	1/4"	1.56	1.06
UT-F-5	5/16"	1.75	1.25
UT-F-6	3/8"	1.75	1.25
UT-F-8	1/2"	2.12	1.56
UT-F-10	5/8"	2.33	1.73
UT-F-12	3/4"	2.50	1.89
UT-F-16	1"	2.90	2.20
UT-F-1.1	1.1"	3.25	2.44
UT-M-4	4mm	1.20	.82
UT-M-6	6mm	1.56	1.06
UT-M-8	8mm	1.75	1.25
UT-M-10	10mm	1.75	1.25
UT-M-12	12mm	2.12	1.56

Part #	Flare	MNPT Size	Orifice	A Dim.	B Dim.
ME-FF-42	1/4"	1/8"	.13	1.56	.95
ME-FF-44	1/4"	1/4"	.13	1.56	1.13
ME-FF-46	1/4"	3/8"	.13	1.56	1.13
ME-FF-64	3/8"	1/4"	.25	1.75	1.31
ME-FF-66	3/8"	3/8"	.25	1.75	1.31
ME-FF-68	3/8"	1/2"	.25	2.10	1.56
ME-FF-86	1/2"	3/8"	.38	2.10	1.56
ME-FF-88	1/2"	1/2"	.38	2.10	1.75
ME-FF-812	1/2"	3/4"	.38	2.35	2.00
ME-FF-128	3/4"	1/2"	.63	2.50	2.00
ME-FF-1212	3/4"	3/4"	.63	2.50	2.00
ME-FF-1216	3/4"	1"	.63	2.60	2.29

Part #	Flare	FNPT Size	Orifice	A Dim.	B Dim.
FE-FF-42	1/4"	1/8"	.13	1.75	1.13
FE-FF-44	1/4"	1/4"	.13	1.88	1.44
FE-FF-46	1/4"	3/8"	.13	2.00	1.56
FE-FF-64	3/8"	1/4"	.25	1.88	1.44
FE-FF-66	3/8"	3/8"	.25	2.00	1.56
FE-FF-68	3/8"	1/2"	.25	2.25	2.00
FE-FF-86	1/2"	3/8"	.38	2.10	1.56
FE-FF-88	1/2"	1/2"	.38	2.35	2.00

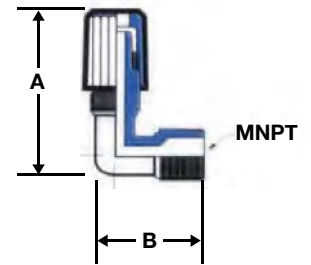
Part #	Flare	Orifice	A Dim.	B Dim.
U-FF-4	1/4"	.13	2.38	0.75
U-FF-6	3/8"	.25	2.38	0.88
U-FF-8	1/2"	.38	2.58	1.00
U-FF-12	3/4"	.63	2.88	1.25
U-FF-16	1"	.88	3.36	1.69

Part #	Flare	Flare	Orifice	A Dim.	B Dim.
RU-FF-64	3/8"	1/4"	.13	2.38	.75
RU-FF-86	1/2"	3/8"	.25	2.60	.94
RU-FF-128	3/4"	1/2"	.38	2.85	1.13

Part #	Flare	Flare	Orifice	A Dim.	B Dim.	C Max	D Hex
BU-FF-4	1/4"	1/4"	.13	3.02	1.65	.50	.56
BU-FF-6	3/8"	3/8"	.25	3.02	1.65	.50	.75
BU-FF-8	1/2"	1/2"	.38	3.12	1.75	.50	.94
BU-FF-12	3/4"	3/4"	.63	3.27	1.90	.50	1.13

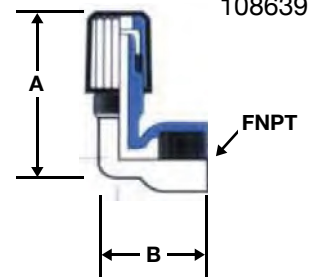
Male Elbow

104590



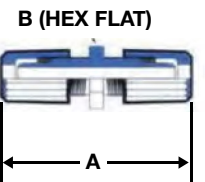
Female Elbow

108639



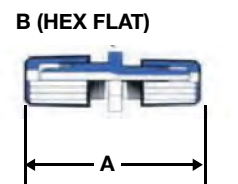
Union

101621



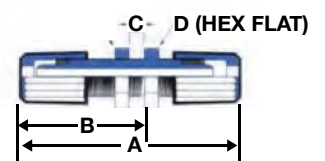
Reducing Union

106881



Bulkhead Union

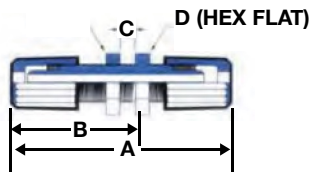
105368



iPolymer FLARE FITTINGS

Bulkhead Union Reducer

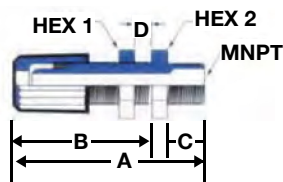
105368



Part #	Flare	Flare	Orifice	A Dim.	B Dim.	C (Max)	D Hex
BUR-FF-64	3/8"	1/4"	.13	3.02	1.65	.50	.75
BUR-FF-86	1/2"	3/8"	.25	3.02	1.75	.50	.94
BUR-FF-128	3/4"	1/2"	.38	3.88	1.90	.50	1.13

Bulkhead Male Connector

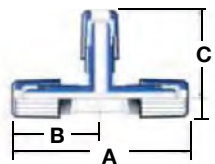
101789



Part #	Flare	MNPT Size	Orifice	A Dim.	B Dim.	C Dim.	D (Max)	Hex 1	Hex 2
BMC-FF-42	1/4"	1/8"	.13	2.67	1.93	.55	.50	3/4	11/16
BMC-FF-44	1/4"	1/4"	.13	2.67	1.93	.55	.50	3/4	11/16
BMC-FF-46	1/4"	3/8"	.13	2.67	1.93	.55	.50	3/4	11/16
BMC-FF-64	3/8"	1/4"	.25	2.79	2.03	.55	.50	15/16	13/16
BMC-FF-66	3/8"	3/8"	.25	2.79	2.03	.55	.50	15/16	13/16
BMC-FF-68	3/8"	1/2"	.25	2.90	2.03	.66	.50	15/16	15/16
BMC-FF-86	1/2"	3/8"	.38	2.91	2.13	.55	.50	1-1/16	15/16
BMC-FF-88	1/2"	1/2"	.38	3.02	2.13	.66	.50	1-1/16	15/16
BMC-FF-812	1/2"	3/4"	.38	3.03	2.13	.67	.50	1-1/16	1-3/16
BMC-FF-128	3/4"	1/2"	.63	3.19	2.28	.66	.50	1-5/16	1-3/16
BMC-FF-1212	3/4"	3/4"	.63	3.20	2.25	.67	.50	1-5/16	1-3/16

Union Tee

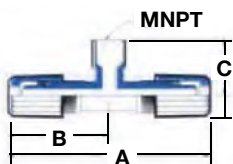
104591



Part #	Flare	Orifice	A Dim.	B Dim.	C Dim.
UT-FF-4	1/4"	.13	2.56	1.28	1.56
UT-FF-6	3/8"	.25	2.75	1.38	1.75
UT-FF-8	1/2"	.38	3.20	1.60	2.10
UT-FF-12	3/4"	.63	3.75	1.88	2.50

Male Branch Tee

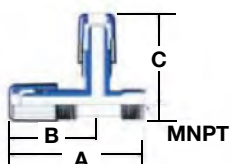
104609



Part #	Flare	MNPT Size	Orifice	A Dim.	B Dim.	C Dim.
MBT-FF-44	1/4"	1/4"	.13	2.56	1.28	1.12
MBT-FF-66	3/8"	3/8"	.25	2.75	1.38	1.31
MBT-FF-88	1/2"	1/2"	.38	3.20	1.60	1.75
MBT-FF-1212	3/4"	3/4"	.63	3.75	1.88	2.00

Male Run Tee

101197



Part #	Flare	MNPT Size	Orifice	A Dim.	B Dim.	C Dim.
MRT-FF-44	1/4"	1/4"	.13	2.12	1.28	1.56
MRT-FF-66	3/8"	3/8"	.25	2.31	1.38	1.75
MRT-FF-88	1/2"	1/2"	.38	2.85	1.60	2.10
MRT-FF-1212	3/4"	3/4"	.63	3.25	1.88	2.50

Part #	Flare	Orifice	A Dim.
UE-FF-4	1/4"	.13	1.56
UE-FF-6	3/8"	.25	1.75
UE-FF-8	1/2"	.38	2.10
UE-FF-12	3/4"	.63	2.50
UE-FF-16	1"	.88	2.99

Part #	Flare	Flare	Orifice	A Dim.	B Dim.
UER-FF-64	3/8"	1/4"	.125	1.88	1.88
UER-FF-66	3/8"	3/8"	.25	1.88	1.88
UER-FF-128	3/4"	1/2"	.38	2.50	2.35
UER-FF-1612	1"	3/4"	.63	2.99	2.75

Part #	Flare	MNPT Size	Orifice	A Dim.	B Dim.
MC-FF-42	1/4"	1/8"	.13	1.76	.56
MC-FF-44	1/4"	1/4"	.13	1.94	.56
MC-FF-46	1/4"	3/8"	.13	2.06	.75
MC-FF-64	3/8"	1/4"	.25	1.94	.75
MC-FF-66	3/8"	3/8"	.25	1.94	.75
MC-FF-68	3/8"	1/2"	.25	2.25	.94
MC-FF-86	1/2"	3/8"	.38	2.16	.94
MC-FF-88	1/2"	1/2"	.39	2.35	.94
MC-FF-812	1/2"	3/4"	.38	2.35	1.13
MC-FF-128	3/4"	1/2"	.55	2.50	1.13
MC-FF-1212	3/4"	3/4"	.63	2.50	1.13
MC-FF-1216	3/4"	1"	.88	2.69	1.50

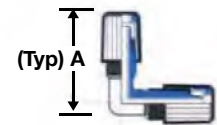
Part #	Flare	FNPT Size	Orifice	A Dim.	B Dim.
FC-FF-42	1/4"	1/8"	.13	1.76	.75
FC-FF-44	1/4"	1/4"	.13	1.94	.84
FC-FF-46	1/4"	3/8"	.13	1.94	1.00
FC-FF-64	3/8"	1/4"	.25	1.94	.84
FC-FF-66	3/8"	3/8"	.25	1.94	1.00
FC-FF-68	3/8"	1/2"	.25	2.13	1.25
FC-FF-86	1/2"	3/8"	.38	2.04	1.00
FC-FF-88	1/2"	1/2"	.38	2.23	1.25
FC-FF-812	1/2"	3/4"	.38	2.23	1.50
FC-FF-128	3/4"	1/2"	.63	2.38	1.25
FC-FF-1212	3/4"	3/4"	.63	2.38	1.50

Part #	Flare	A Dim.	Orifice
N-FF-4	1/4"	1.05	.26
N-FF-6	3/8"	1.05	.38
N-FF-8	1/2"	1.13	.51
N-FF-12	3/4"	1.30	.76
N-FF-16	1"	1.50	1.01

Part #	Flare	A Dim.	B Dim.
FCAP-4	1/4"	1.06	0.75
FCAP-6	3/8"	1.13	0.88
FCAP-8	1/2"	1.13	1.00
FCAP-12	3/4"	1.28	1.38
FCAP-16	1"	1.51	1.75

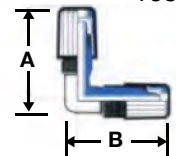
Union Elbow

108000



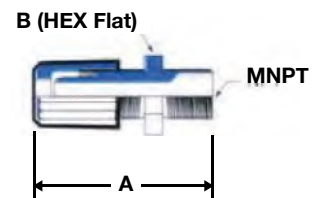
Union Elbow Reducer

108877



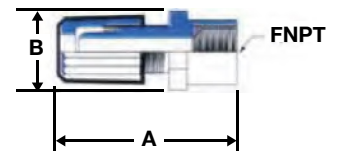
Male Connector

104950



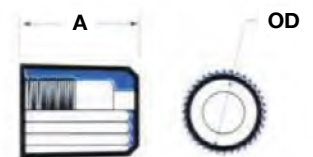
Female Connector

108586



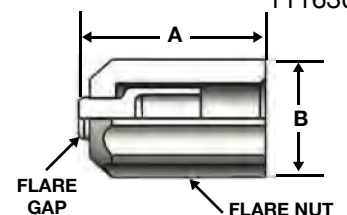
Flare Nut

103350



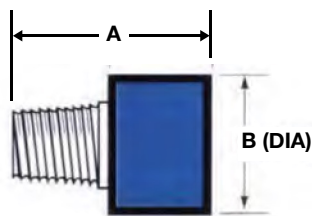
Flare Cap

111630



Bushing

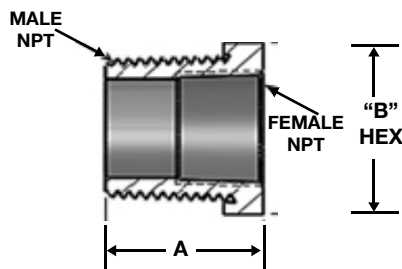
100640



Part #	Male Pipe	Female Pipe	A Dim.	B Dim.
B-P-42	1/4" NPT	1/8" NPT	1.32	.75
B-P-44	1/4" NPT	1/4" NPT	1.50	.84
B-P-46	1/4" NPT	3/8" NPT	1.50	1.00
B-P-64	3/8" NPT	1/4" NPT	1.50	.84
B-P-68	3/8" NPT	1/2" NPT	1.69	1.25
B-P-84	1/2" NPT	1/4" NPT	1.81	.88
B-P-86	1/2" NPT	3/8" NPT	1.81	1.00
B-P-124	3/4" NPT	1/4" NPT	1.81	1.13
B-P-128	3/4" NPT	1/2" NPT	2.00	1.25
B-P-1212	3/4" NPT	3/4" NPT	2.00	1.50
B-P-168	1" NPT	1/2" NPT	2.19	1.38
B-P-1612	1" NPT	3/4" NPT	2.19	1.50

Short Bushing

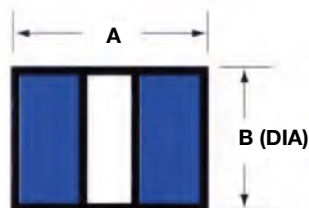
103187



Part #	Male Pipe	Female Pipe	A Dim.	B Dim.
SB-P-42	1/4" NPT	1/8" NPT	0.94	0.63
SB-P-62	3/8" NPT	1/8" NPT	1.00	0.75
SB-P-64	3/8" NPT	1/4" NPT	1.00	0.88
SB-P-82	1/2" NPT	1/8" NPT	1.00	0.94
SB-P-84	1/2" NPT	1/4" NPT	1.00	0.94
SB-P-86	1/2" NPT	3/8" NPT	1.00	0.94
SB-P-124	3/4" NPT	1/4" NPT	1.00	1.25
SB-P-126	3/4" NPT	3/8" NPT	1.00	1.25
SB-P-128	3/4" NPT	1/2" NPT	1.26	1.25
SB-P-164	1" NPT	1/4" NPT	1.45	1.50
SB-P-166	1" NPT	3/8" NPT	1.45	1.50
SB-P-168	1" NPT	1/2" NPT	1.45	1.50
SB-P-1612	1" NPT	3/4" NPT	1.45	1.50

Coupling

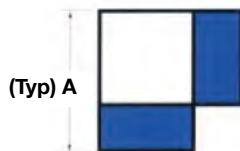
101617



Part #	Female Pipe	A Dim.	B Dim.
C-P-2	1/8" NPT	1.06	.75
C-P-4	1/4" NPT	1.56	.84
C-P-6	3/8" NPT	1.56	.88
C-P-8	1/2" NPT	2.06	1.13
C-P-12	3/4" NPT	2.06	1.50
C-P-16	1" NPT	2.50	1.75

Elbow

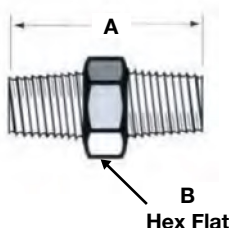
101196



Part #	Female Pipe	A Dim.
E-P-2	1/8" NPT	1.13
E-P-4	1/4" NPT	1.40
E-P-6	3/8" NPT	1.56
E-P-8	1/2" NPT	2.00
E-P-12	3/4" NPT	2.25
E-P-16	1" NPT	2.69
E-P-24	1.5" NPT	3.50

Pipe Nipple

101618

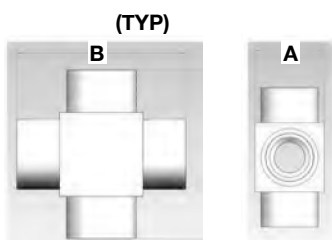


Part #	Male Pipe	A Dim.	B Dim.
NP-P-2	1/8" NPT	1.01	.44
NP-P-4	1/4" NPT	1.50	.56
NP-P-6	3/8" NPT	1.50	.75
NP-P-8	1/2" NPT	2.00	.94
NP-P-12	3/4" NPT	2.00	1.25
NP-P-16	1" NPT	2.38	1.50

iPolymer supplies custom extended length Pipe Nipples (NP-P-XX-XXX defining the overall pipe length). Custom lengths up to 18" can be supplied. These are supplied in 1/16" increments. 1" is represented as 16. 2" is represented as 32. 12" is represented as 192.

Female Pipe Cross

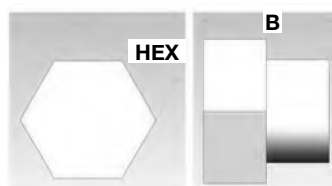
112065



Part #	Female Pipe	A Dim.	B Dim.
FPC-P-2	1/8" NPT	.75	1.51
FPC-P- 4	1/4" NPT	.85	1.94
FPC-P-6	3/8" NPT	1.00	2.12
FPC-P-8	1/2" NPT	1.25	2.75
FPC-P-12	3/4" NPT	1.50	2.95
FPC-P-16	1" NPT	1.75	3.63

Female Pipe Cap

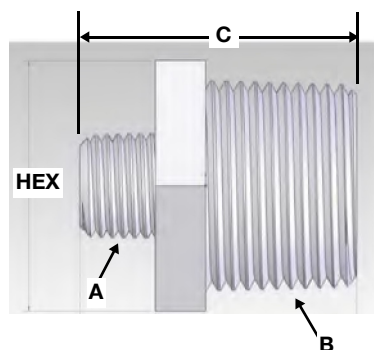
112066



Part #	Female Pipe	Hex	B DIM.
PC-P-1	1/16" NPT	3/4	.68
PC-P-2	1/8" NPT	7/8	.76
PC-P-4	1/4" NPT	1	.94
PC-P-6	3/8" NPT	1-1/8	.94
PC-P-8	1/2" NPT	1-3/8	1.25
PC-P-12	3/4" NPT	1-1/2	1.25
PC-P-16	1" NPT	1-3/4	1.44
PC-P-20	1-1/4" NPT	2-1/4	1.63
PC-P-24	1-1/2" NPT	2-3/8	1.63
PC-P-32	2" NPT	3	1.69

Nipple Pipe Reducer

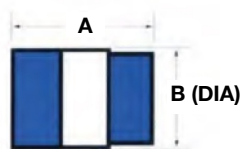
112067



Part #	"A" Pipe	"B" Pipe	Hex	C Dim.
NPR-P-24	1/8" NPT	1/4" NPT	9/16	1.32
NPR-P-26	1/8" NPT	3/8" NPT	7/8	1.32
NPR-P-28	1/8" NPT	1/2" NPT	15/16	1.63
NPR-P-212	1/8" NPT	3/4" NPT	1-1/4	1.63
NPR-P-216	1/8" NPT	1" NPT	1-1/2	1.82
NPR-P-46	1/4" NPT	3/8" NPT	7/8	1.50
NPR-P-48	1/4" NPT	1/2" NPT	15/16	1.81
NPR-P-412	1/4" NPT	3/4" NPT	1-1/4	1.81
NPR-P-416	1/4" NPT	1" NPT	1-1/2	2.00
NPR-P-68	3/8" NPT	1/2" NPT	15/16	1.81
NPR-P-612	3/8" NPT	3/4" NPT	1-1/4	1.81
NPR-P-616	3/8" NPT	1" NPT	1-1/2	2.00
NPR-P-812	1/2" NPT	3/4" NPT	1-1/4	2.00
NPR-P-816	1/2" NPT	1" NPT	1-1/2	2.19
NPR-P-1216	3/4" NPT	1" NPT	1-1/2	2.19

Female Reducer

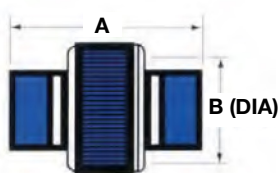
101775



Part #	Female Pipe	Female Pipe	A Dim.	B Dim.
FR-P-42	1/4" NPT	1/8" NPT	1.32	.84
FR-P-62	3/8" NPT	1/8" NPT	1.32	1.00
FR-P-64	3/8" NPT	1/4" NPT	1.50	1.00
FR-P-84	1/2" NPT	1/4" NPT	1.81	1.25
FR-P-86	1/2" NPT	3/8" NPT	1.81	1.25
FR-P-128	3/4" NPT	1/2" NPT	2.00	1.50
FR-P-168	1" NPT	1/2" NPT	2.19	1.75
FR-P-1612	1" NPT	3/4" NPT	2.19	1.75

Pipe Union

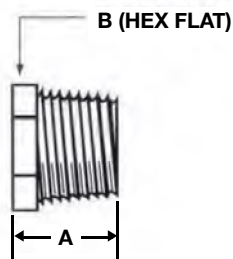
103790



Part #	Female Pipe	A Dim.	B Dim.
PU-P-2	1/8 NPT	1.60	1.25
PU-P-4	1/4 NPT	2.05	1.50
PU-P-6	3/8 NPT	2.13	1.75
PU-P-8	1/2 NPT	2.51	1.75
PU-P-12	3/4 NPT	2.90	2.25
PU-P-16	1" NPT	3.43	2.69

Plug

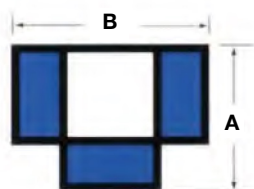
101780



Part #	Male Pipe	A Dim.	B Dim.
P-P-1	1/16" NPT	.63	.38
P-P-2	1/8" NPT	.63	.44
P-P-4	1/4" NPT	.94	.56
P-P-6	3/8" NPT	.94	.75
P-P-8	1/2" NPT	1.25	.94
P-P-12	3/4" NPT	1.25	1.25
P-P-16	1" NPT	1.44	1.50
P-P-24	1.5" NPT	1.50	2.00

Tee

101782

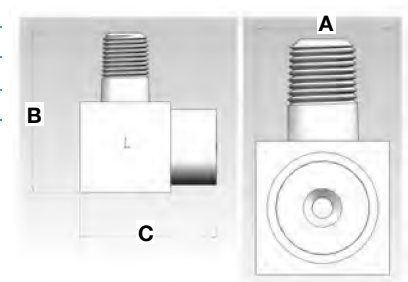


Part #	Female Pipe	A Dim.	B Dim.
T-P-2	1/8" NPT	1.13	1.51
T-P-4	1/4" NPT	1.44	2.00
T-P-6	3/8" NPT	1.56	2.12
T-P-8	1/2" NPT	2.00	2.75
T-P-12	3/4" NPT	2.25	3.00
T-P-16	1" NPT	2.69	3.63

Part #	Male Pipe	Female Pipe	A Dim.	B Dim.	C Dim.
SE-P-1	1/16" NPT	1/16" NPT	.63	1.32	1.13
SE-P-2	1/8" NPT	1/8" NPT	.75	1.32	1.13
SE-P-4	1/4" NPT	1/4" NPT	.84	1.63	1.44
SE-P-6	3/8" NPT	3/8" NPT	1.00	1.94	1.56
SE-P-8	1/2" NPT	1/2" NPT	1.25	2.19	2.00
SE-P-12	3/4" NPT	3/4" NPT	1.50	2.44	2.25
SE-P-16	1" NPT	1" NPT	1.75	2.88	2.44

Street Elbow

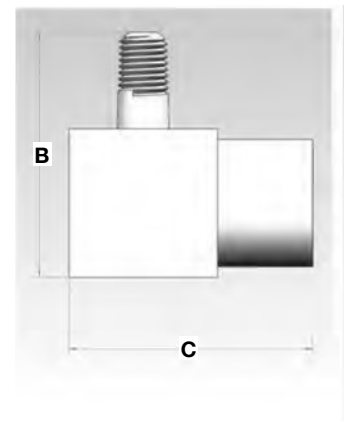
104138



Part #	Male Pipe	Female Pipe	A Dim.	B Dim.	C Dim.
SER-P-24	1/8" NPT	1/4" NPT	.88	1.45	1.44
SER-P-26	1/8" NPT	3/8" NPT	1.00	1.57	1.56
SER-P-28	1/8" NPT	1/2" NPT	1.25	1.82	2.00
SER-P-212	1/8" NPT	3/4" NPT	1.50	2.07	2.25
SER-P-216	1/8" NPT	1" NPT	1.75	2.32	2.69
SER-P-42	1/4" NPT	1/8" NPT	.75	1.50	1.13
SER-P-46	1/4" NPT	3/8" NPT	1.00	1.75	1.56
SER-P-48	1/4" NPT	1/2" NPT	1.25	2.00	2.00
SER-P-412	1/4" NPT	3/4" NPT	1.50	2.25	2.25
SER-P-416	1/4" NPT	1" NPT	1.75	2.50	2.69
SER-P-62	3/8" NPT	1/8" NPT	.75	1.50	1.13
SER-P-64	3/8" NPT	1/4" NPT	.88	1.63	1.44
SER-P-68	3/8" NPT	1/2" NPT	1.25	2.00	2.00
SER-P-612	3/8" NPT	3/4" NPT	1.50	2.25	2.25
SER-P-616	3/8" NPT	1" NPT	1.75	2.50	2.69
SER-P-82	1/2" NPT	1/8" NPT	1.00	1.94	1.38
SER-P-84	1/2" NPT	1/4" NPT	1.00	1.94	1.56
SER-P-86	1/2" NPT	3/8" NPT	1.00	1.94	1.56
SER-P-812	1/2" NPT	3/4" NPT	1.50	2.40	2.25
SER-P-816	1/2" NPT	1" NPT	1.75	2.69	2.69
SER-P-122	3/4" NPT	1/8" NPT	1.50	2.44	1.88
SER-P-124	3/4" NPT	1/4" NPT	1.50	2.44	2.06
SER-P-126	3/4" NPT	3/8" NPT	1.50	2.44	2.06
SER-P-128	3/4" NPT	1/2" NPT	1.50	2.44	2.25
SER-P-1216	3/4" NPT	1" NPT	1.75	2.69	2.69
SER-P-162	1" NPT	1/8" NPT	1.50	2.63	1.88
SER-P-164	1" NPT	1/4" NPT	1.50	2.63	2.06
SER-P-166	1" NPT	3/8" NPT	1.50	2.63	2.06
SER-P-168	1" NPT	1/2" NPT	1.50	2.63	2.25
SER-P-1612	1" NPT	3/4" NPT	1.50	2.63	2.25

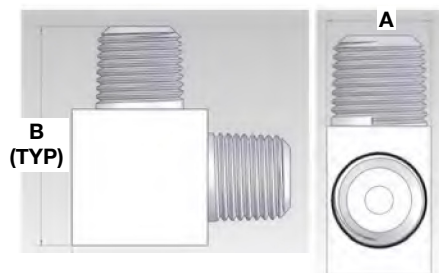
Street Elbow Reducer

112069



Male Pipe Elbow

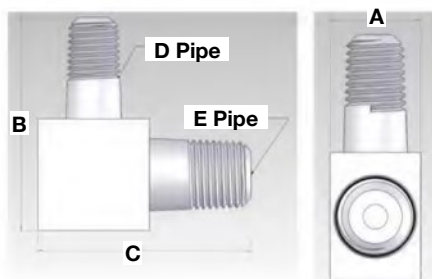
112070



Part #	Male Pipe	A Dim.	B Dim.
ME-P-1	1/16" NPT	.44	1.01
ME-P-2	1/8" NPT	.44	1.01
ME-P-4	1/4" NPT	.56	1.31
ME-P-6	3/8" NPT	.75	1.50
ME-P-8	1/2" NPT	1.00	1.94
ME-P-12	3/4" NPT	1.25	2.19
ME-P-16	1" NPT	1.50	2.63

Male Pipe Reducing Elbow

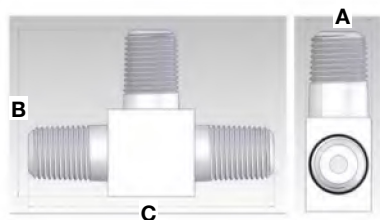
112071



Part #	"D" Pipe	"E" Pipe	A Dim.	B Dim.	C Dim.
MPRE-P-12	1/16" NPT	1/8" NPT	.44	1.01	1.01
MPRE-P-24	1/8" NPT	1/4" NPT	.56	1.13	1.31
MPRE-P-26	1/8" NPT	3/8" NPT	.75	1.32	1.50
MPRE-P-28	1/8" NPT	1/2" NPT	1.00	1.57	1.94
MPRE-P-212	1/8" NPT	3/4" NPT	1.25	1.82	2.19
MPRE-P-216	1/8" NPT	1" NPT	1.50	2.07	2.63
MPRE-P-46	1/4" NPT	3/8" NPT	.75	1.50	1.50
MPRE-P-48	1/4" NPT	1/2" NPT	1.00	1.75	1.94
MPRE-P-412	1/4" NPT	3/4" NPT	1.25	2.00	2.19
MPRE-P-416	1/4" NPT	1" NPT	1.50	2.25	2.63
MPRE-P-68	3/8" NPT	1/2" NPT	1.00	1.75	1.94
MPRE-P-612	3/8" NPT	3/4" NPT	1.25	2.00	2.19
MPRE-P-616	3/8" NPT	1" NPT	1.50	2.25	2.63
MPRE-P-812	1/2" NPT	3/4" NPT	1.25	2.19	2.19
MPRE-P-816	1/2" NPT	1" NPT	1.50	2.44	2.63
MPRE-P-1216	3/4" NPT	1" NPT	1.50	2.44	2.63

Male Pipe Tee

112068



Part #	Male Pipe	A Dim.	B Dim.	C Dim.
MPT-1	1/16" NPT	.44	1.01	1.58
MPT-2	1/8" NPT	.44	1.01	1.58
MPT-4	1/4" NPT	.56	1.31	2.06
MPT-6	3/8" NPT	.75	1.50	2.25
MPT-8	1/2" NPT	1.00	1.94	2.88
MPT-12	3/4" NPT	1.25	2.19	3.13
MPT-16	1" NPT	1.50	2.63	3.76

Plumber Ferrule P/N	Ferrule Gripper P/N	Tempress Ferrule P/N	Tube O.D.
PF-F-1	N/A	N/A	1/16"
PF-F-2	FG-F-2	N/A	1/8"
PF-F-3	FG-F-3	N/A	3/16"
PF-F-4	FG-F-4	TF-F-4	1/4"
PF-F-5	FG-F-5	TF-F-5	5/16"
PF-F-6	FG-F-6	TF-F-6	3/8"
PF-F-8	FG-F-8	TF-F-8	1/2"
PF-F-10	FG-F-10	TF-F-10	5/8"
PF-F-12	FG-F-12	TF-F-12	3/4"
PF-F-16	FG-F-16	TF-F-16	1"
PF-F-11	FG-F-11	TF-F-11	1.1"
PF-F-22	FG-F-22	TF-F-22	1-3/8"
PF-M-4	FG-M-4	TF-M-4	4mm
PF-M-6	FG-M-6	TF-M-6	6mm
PF-M-7	FG-M-7	TF-M-7	7mm
PF-M-8	FG-M-8	TF-M-8	8mm
PF-M-9	FG-M-9	TF-M-9	9mm
PF-M-10	FG-M-10	TF-M-10	10mm
PF-M-12	FG-M-12	TF-M-12	12mm
PF-M-15	FG-M-15	TF-M-15	15mm
PF-M-20	FG-M-20	TF-M-20	20mm
PF-M-26	FG-M-26	TF-M-26	26mm

Plumber Ferrule (PF)

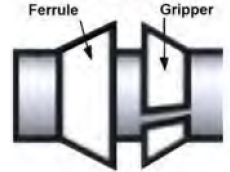
100426



Ferrule Gripper (FG)

112090

Two Piece Set



Tempress Ferrule (TF)

101661

One Piece Snap-In Type.
for use with -TA & -TS
Teflon Nuts Only

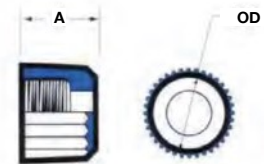


Part #	Tube O.D.	Thread Size	A Dim. (Max)	B Dim. (Max)
N-F-1	1/16"	1/4-28	.61	.50
N-F-2	1/8"	5/16-24	.61	.50
N-F-3	3/16"	3/8-24	.61	.59
N-F-4	1/4"	7/16-20	.61	.68
N-F-5	5/16"	9/16-18	.64	.78
N-F-6	3/8"	1-1/16-16	.64	.88
N-F-8	1/2"	7/8-14	.73	1.25
N-F-10	5/8"	1-12	.77	1.38
N-F-12	3/4"	1-1/8-12	.82	1.50
N-F-16	.1"	1-3/8-12	.90	1.75
N-F-1.1	1.1"	1-1/2-12	1.04	1.88
N-F-22	1-3/8"	1-3/4-12	1.29	2.25
N-M-4	4mm	3/8-24	.61	.59
N-M-6	6mm	7/16-20	.61	.66
N-M-7	7mm	7/16-20	.61	.66
N-M-8	8mm	9/16-18	.64	.88
N-M-9	9mm	11/16-16	.64	.88
N-M-10	10mm	11/16-16	.64	.91
N-M-12	12mm	7/8-14	.73	1.16
N-M-15	15mm	1-12	.77	1.38
N-M-20	20mm	1-1/8-12	.82	1.50
N-M-26	26mm	1-1/2-12	1.04	1.88

Part #	Thread Size	A Dim.	B Dim.
PN-F-1	5/16-24	.50	.25
PN-F-2	3/8-24	.56	.25
PN-F-3	7/16-20	.69	.25
PN-F-4	9/16-18	.88	.25
PN-F-5	1-1/16-16	.94	.28
PN-F-6	7/8-14	1.31	.31
PN-F-7	1-12	1.25	.31
PN-F-8	1-1/8-12	1.38	.31
PN-F-9	1-3/8-12	1.75	.31
PN-F-10	1-1/2-12	2.00	.31
PN-F-11	1-5/8-12	2.12	.31
PN-F-12	1-3/4-12	2.25	.31
PN-F-18	1-7/8-12	2.38	.31

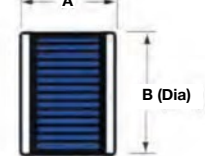
Tube Nut

101966 / 111722 / 103202



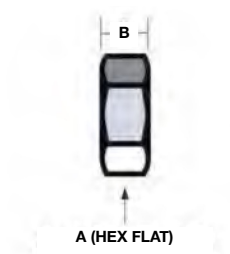
TA & TS PTFE Tube Nut Style

101615

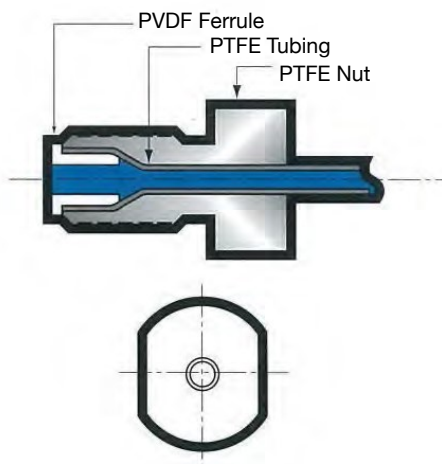


Panel Nut

100162

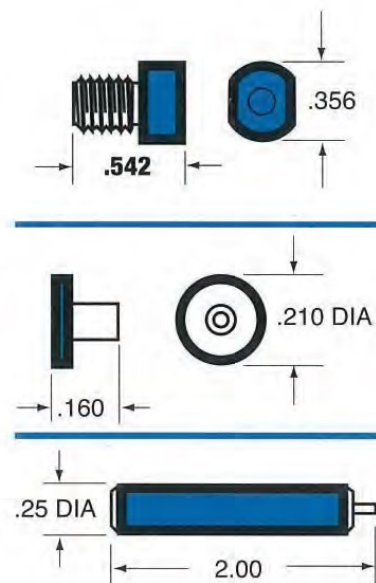


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Part #	Tube O.D.	Tube I.D.	Tube Wall	Recommended Tubing	Thread Size
TN062016	.063"	.031"	.016"	FEP-062-016 or FT-062-016	1/4" - 28
TN125016	.125"	.093"	.016"	FEP-125-016 or FT-125-016	1/4" - 28
TN125030	.125"	.065"	.030"	FEP-125-030 or FT-125-030	1/4" - 28
KF062016	.063"	.031"	.016"	FEP-062-016 or FT-062-016	n/a
KF125016	.125"	.093"	.016"	FEP-125-016 or FT-125-016	n/a
KF125030	.125"	.065"	.030"	FEP-125-030 or FT-125-030	n/a

Part #	Tube O.D.	Tube I.D.	Tube Wall	Construction
ITMTF-A		.031"		1 pc metal
ITMTF-B		.093"		1 pc metal
ITMTF-C		.065"		1 pc metal

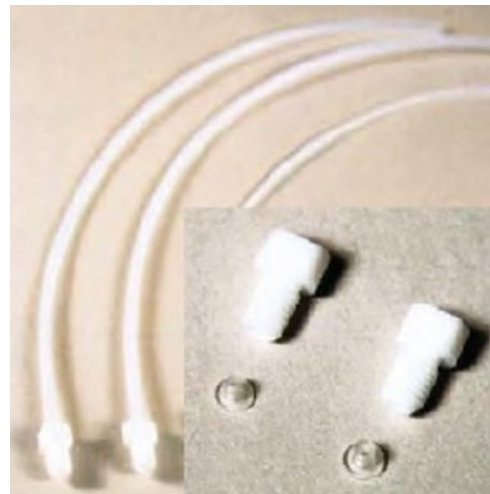


These small High-Purity PTFE Fittings are designed to mate with 1/32", 2/32" and 3/32" I.D. precision tube.

Common Applications:

- Gas & Liquid Analysis
- Precision Chemical Dosing
- Chromatography Stations
- Analytical Reagenting Blending
- Calibration Standard Sampling

Call us with your Special Applications.



Free flowing orifices through fittings and valve ports are defined by the standard port connection callout.

Female NPT (FNPT) & Male NPT (MNPT) ports flow with a maximum orifice equal to the port callout.

Compression Tube and Flared Connections have smaller flow orifices as listed in the table to the right.

For custom solutions, smaller orifices are available on request.

Typical Orifice Per Port Size & Type

Port Size	Pipe Port	Tube Port	Flare Port
1/16"	0.062	0.031	-
1/8"	0.125	0.063	-
1/4"	0.250	0.188	0.125
3/8"	0.375	0.312	0.250
1/2"	0.500	0.436	0.375
3/4"	0.750	0.688	0.592
1"	1.000	0.938	0.875

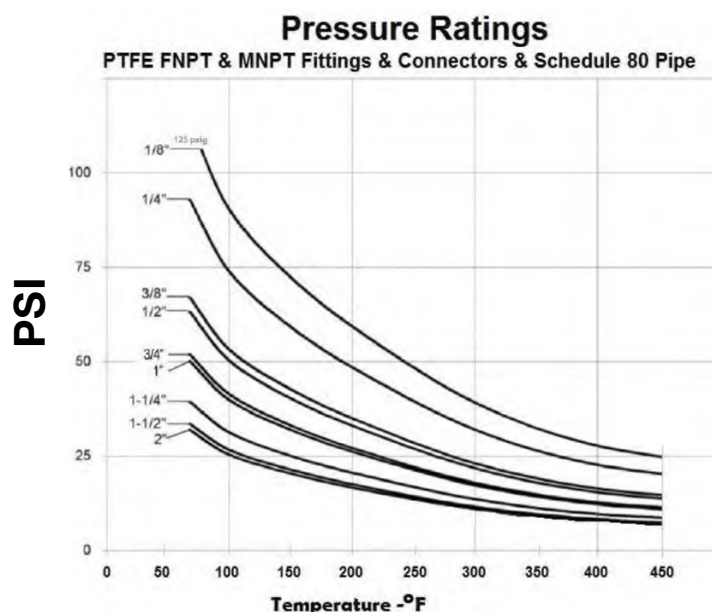
For standard PTFE Fittings & Connectors and Schedule 80 Pipe, the curves to the right represent working pressure versus media temperature (at soaked steady state).

Pressure:

100 psi = 6.89 bar
75 psi = 5.17 bar
50 psi = 3.44 bar
25 psi = 1.72 bar

Temperature:

70°F = 21.1°C
100°F = 37.8°C
200°F = 93.3°C
300°F = 148.9°C
400°F = 204.4°C



Polytetrafluoroethylene; PTFE Tape (also known as Teflon Tape, Thread Seal Tape or Plumber's Tape) is recommended for all NPT Connections. This thin film of tape is wrapped around the pipe threads per the manufacturer's specifications.



Polytetrafluoroethylene (PTFE) Fittings & Connectors are commonly used for Ultra Purity or Highly Caustic Media. While exceptionally inert, excellent with numerous chemistries and temperature extremes, PTFE is a relatively soft fluoropolymer material.

Care must be taken not to over tighten and strip threaded PTFE Connections. PTFE Tape will help reduce thread damage when adapting metal & PTFE connections.