

Fittings-Instrumentation

Series: GF

Srl.	Products	Model
1)	Union	GF-U
2)	Reducing Union	GF-RU
3)	Bulkhead Union	GF-BU
4)	Bulkhead Reducing Union	GF-BRU
5)	Union Elbow (90°)	GF-UE90
6)	Bulkhead Elbow (90°)	GF-BE90
7)	Union Tee	GF-UT
8)	Union Cross	GF-UC
9)	Male Connector (NPT threads)	GF-MC-N
10)	Male Connector (ISO tapered pipe threads)	GF-MC-IT
11)	Male Connector (ISO parallel Rp threads)	GF-MC-IRP
12)	Male Connector (ISO parallel Rs threads)	GF-MC-IRS
13)	Male Connector (ISO parallel threads) with "O" Seal	GF-MC-IPO
14)	Male Connector (Straight UNF threads) with "O" Seal	GF-MC-UO
15)	Male Elbow-90° (NPT threads)	GF-ME90-N
16)	Male Elbow-90° (ISO tapered pipe threads)	GF-ME90-IT
17)	Male Elbow-90° Positionable (ISO parallel threads)	GF-ME90-PIP
18)	Male Elbow-90° Positionable (SAE/MS straight threads)	GF-ME90-PSS
19)	Male Elbow-45° (NPT threads)	GF-ME45-N
20)	Male Elbow-45° Positionable (SAE/MS straight threads)	GF-ME45-PSS
21)	Male Elbow-45° Positionable (ISO parallel threads)	GF-ME45-PIP
22)	Male Run Tee (NPT threads)	GF-MRT-N
23)	Male Run Tee - Positionable (ISO parallel threads)	GF-MRT-PIP
24)	Male Branch Tee (NPT threads)	GF-MBT-N
25)	Male Branch Tee - Positionable (ISO parallel threads)	GF-MBT-PIP
26)	Female Connector (NPT threads)	GF-FC-N
27)	Female Connector (ISO tapered pipe threads)	GF-FC-IT
28)	Female Connector (ISO parallel threads) for Manometers	GF-FC-IPM
29)	Bulkhead Female Connector	GF-BFC
30)	Female Run Tee	GF-FRT
31)	Female Branch Tee	GF-FBT
32)	Male Adaptor (NPT threads)	GF-MA-N
33)	Male Adaptor (ISO tapered pipe threads)	GF-MA-IT
34)	Male Adaptor (ISO parallel Rs / Rp threads)	GF-MA-IRS, GF-MA-IRP
35)	Male Adaptor (Straight UNF threads) with "O" Seal	GF-MA-UO
36)	Reducing Union Tee	GF-RUT-1, GF-RUT-2
37)	Bulkhead Male Connector	GF-BMC-N, GF-BMC-IT, GF-BMC-IP,

		GF-BMC-IRP, GF-BMC-IRS, GF-BMC-SU
38)	Female Elbow	GF-FE-N, GF-FE-IT, GF-FE-IP
39)	Tube End Closure	GF-TEC
40)	Fitting End Closure	GF-FEC
41)	Coupling Cap/Nut	GF-CC
42)	Front Ferrule	GF-FF
43)	Back Ferrule	GF-BF

Note: Part of our development programs, product specifications, photos, drawings, dimensions and other information provided in catalogue/website may change without any notice.

General Specifications:

1) Union specifications:

Model : **GF-U**
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



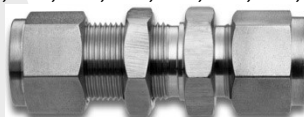
2) Reducing Union specifications:

Model : **GF-RU**
Material : Specify
Tube dia : 1/4" to 1/8", 5/16" to 1/8" or 1/4", 3/8" to 1/8" or 1/4", 1/2" to 1/8" or 1/4" or 3/8", 5/8" to 3/8" or 1/2", 3/4" to 1/4" or 3/8" or 1/2", 1" to 1/2" or 3/4", 1 1/4" to 1", 1 1/2" to 1 1/4" **OR Metric:** 6 to 3, 8 to 6, 10 to 6 or 8, 12 to 6 or 8 or 10, 16 to 10 or 12, 22 to 18 or 20, 25 to 12 or 20, 30 to 20 or 25, 32 to 20 or 25, 38 to 20 or 25



3) Bulkhead Union specifications:

Model : **GF-BU**
Material :
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2", 2" **OR Metric:** 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 25, 30, 32, 38



4) Bulkhead Reducing Union specifications:

Model : **GF-BRU**
Material :
Tube dia : 1/4" to 1/8", 3/8" to 1/4", 1/2" to 1/4" or 3/8" **OR Metric:** 6 to 3, 8 to 6, 10 to 6, 12 to 6 or 10



5) Union Elbow (90°) specifications:

Model : GF-UE90
Material :
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



6) Bulkhead Elbow (90°) specifications:

Model : GF-BE90
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1" **OR Metric**: 3, 6, 8, 10, 12, 16, 22, 25



7) Union Tee specifications:

Model : GF-UT
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



8) Union Cross specifications:

Model : GF-UC
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1" **OR Metric**: 3, 6, 8, 10, 12, 16, 22, 25



9) Male Connector (NPT threads) specifications:

Model : GF-MC-N
Thread Type : NPTM
Thread Size : Specify
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



10) Male Connector (ISO tapered pipe threads) specifications:

Model : GF-MC-IT
Thread Type : ISO tapered
Thread Size : Specify
Material : Specify

Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



11) Male Connector (ISO parallel Rp threads) specifications:

Model : GF-MC-IRP
Thread Type : ISO parallel Rp
Thread Size : Specify
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 8, 10, 12, 16, 20, 22, 25, 28, 30, 32, 38



12) Male Connector (ISO parallel Rs threads) specifications:

Model : GF-MC-IRS
Thread Type : ISO parallel Rs
Thread Size : Specify
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 8, 10, 12, 16, 20, 22, 25, 28, 30, 32, 38



13) Male Connector (ISO parallel threads) with "O" Seal specifications:

Model : GF-MC-IPO
Thread Type : ISO parallel + O Seal
Thread Size : Specify
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 8, 10, 12, 16, 20, 25



14) Male Connector (Straight UNF threads) with "O" Seal specifications:

Model : GF-MC-UO
Thread Type : UNF + O Seal
Thread Size : Specify
Material : Specify
Tube dia : 1/8", 1/4", 5/16", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2"



15) Male Elbow-90° (NPT threads) specifications:

Model : **GF-ME90-N**
 Thread Type : **NPTM**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25, 30, 32, 38



16) Male Elbow-90° (ISO tapered pipe threads) specifications:

Model : **GF-ME90-IT**
 Thread Type : **ISO tapered**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" **OR Metric: 3, 6, 8, 10, 12, 15, 16, 22, 25, 30, 32, 38**



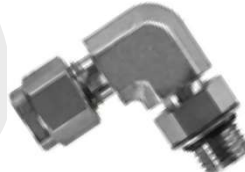
17) Male Elbow-90° Positionable (ISO parallel threads) specifications:

Model : **GF-ME90-PIP**
 Thread Type : **ISO parallel**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/4", 3/8", 1/2", 5/8", 3/4", 1" **OR Metric: 6, 8, 10, 12, 16, 22, 25**



18) Male Elbow-90° Positionable (SAE/MS straight threads) specifications:

Model : **GF-ME90-PSS**
 Thread Type : **SAE/MS straight**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2"



19) Male Elbow-45° (NPT threads) specifications:

Model : **GF-ME45-N**
 Thread Type : **NPTM**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/4", 3/8", 1/2", 3/4", 1"



20) Male Elbow-45° Positionable (SAE/MS straight threads) specifications:

Model : GF-ME45-PSS
Thread Type : SAE/MS straight
Thread Size : Specify
Material : Specify
Tube dia : 1/4", 3/8", 1/2", 3/4", 1"



21) Male Elbow-45° Positionable (ISO parallel threads) specifications:

Model : GF-ME45-PIP
Thread Type : ISO parallel
Thread Size : Specify
Material : Specify
Tube dia : 1/4", 3/8", 1/2", 3/4", 1"



22) Male Run Tee (NPT threads) specifications:

Model : GF-MRT-N
Thread Type : NPTM
Thread Size : Specify
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 8, 10, 12, 16, 25, 30, 32, 38



23) Male Run Tee - Positionable (ISO parallel threads) specifications:

Model : GF-MRT-PIP
Thread Type : ISO parallel
Thread Size : Specify
Material : Specify
Tube dia : 1/4", 3/8", 1/2", 5/8", 3/4", 1" OR Metric: 6, 8, 10, 12, 16, 22, 25



24) Male Branch Tee (NPT threads) specifications:

Model : GF-MBT-N
Thread Type : NPTM
Thread Size : Specify
Material : Specify
Tube dia : 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 8, 10, 12, 16, 25, 30, 32, 38



25) Male Branch Tee - Positionable (ISO parallel threads) specifications:

Model : GF-MBT-PIP
 Thread Type : ISO parallel
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/4", 3/8", 1/2", 5/8", 3/4", 1" OR Metric: 6, 8,10,12,16, 22, 25



26) Female Connector (NPT threads) specifications:

Model : GF-FC-N
 Thread Type : NPTF
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2"



27) Female Connector (ISO tapered pipe threads) specifications:

Model : GF-FC-IT
 Thread Type : ISO tapered
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2"
 Optional : ISO parallel thread



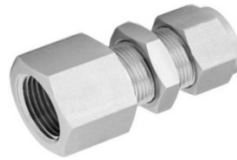
28) Female Connector (ISO parallel threads) for Manometers specifications:

Model : GF-FC-IPM
 Thread Type : ISO parallel
 Thread Size : Specify
 Material : 1/4", 5/16", 3/8", 1/2" OR Metric: 3, 6, 8, 10, 12



29) Bulkhead Female Connector specifications:

Model : GF-BFC
 Thread Type : NPTM (Specify others if any)
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2" OR Metric: 3, 6, 10, 12, 16, 22, 25, 32, 38
 Optional : ISO tapered, ISO parallel, ISO micrometer connection



30) Female Run Tee specifications:

Model : **GF-FRT**
 Thread Type : **NPTF** (Specify others if any)
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1" **OR Metric:** 3, 6, 8,10,12,16, 25



31) Female Branch Tee specifications:

Model : **GF-FBT**
 Thread Type : **NPTF** (Specify others if any)
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1" **OR Metric:** 3, 6, 8,10,12,16, 25



32) Male Adaptor (NPT threads) specifications:

Model : **GF-MA-N**
 Thread Type : **NPTM**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 1", 1 1/4", 1 1/2" **OR Metric:** 3, 6, 8, 10, 12, 25, 30, 32, 38



33) Male Adaptor (ISO tapered pipe threads) specifications:

Model : **GF-MA-IT**
 Thread Type : **ISO tapered**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" **OR Metric:** 3, 6, 8, 10,12, 25, 30, 32, 38



34) Male Adaptor (ISO parallel Rs / Rs threads) specifications:

Model : **GF-MA-IRS, GF-MA-IRP**
 Thread Type : **ISO parallel-Rp, ISO parallel-Rs**
 Thread Size : Specify
 Material : Specify
 Tube dia : 1/8", 1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2" **OR Metric:** 3, 6, 8, 10, 12, 16, 22, 25



35) Male Adaptor (Straight UNF threads) with “O” Seal specifications:

Model : GF-MA-UO
Material : Specify
Thread Size : Specify
Tube dia : 1/8”, 1/4”, 5/16”, 1/2”, 3/4”, 1”, 1 1/4”, 1 1/2” **OR Metric:** 3, 6, 8, 10, 12, 16, 22, 25



36) Reducing Union Tee specifications:

Model : GF-RUT-1, GF-RUT-2
End Type : 1 end reduced, 2 ends reduced
Material : Specify
Tube dia : 3/8” to 1/4”, 1/2” to 1/4” or 3/8”, 3/4” to 3/8” or 1/2”, 1” to 3/8” or 1/2” or 3/4”, 1 1/4” to 1”, 1 1/2” to 1”



37) Bulkhead Male Connector specifications:

Model : GF-BMC-N, GF-BMC-IT, GF-BMC-IP, GF-BMC-IRP, GF-BMC-IRS, GF-BMC-SU
Thread Type : NPT, ISO tapered, ISO parallel ISO parallel-Rp, ISO parallel-Rs, Straight-UNF
Thread Size : Specify
Material : Specify
Tube dia : 1/8”, 1/4”, 3/8”, 1/2”, 3/4”, 1”, 1 1/4”, 1 1/2” **OR Metric:** 3, 6, 10, 12, 16, 22, 25, 32, 38



38) Female Elbow specifications:

Model : GF-FE-N, GF-FE-IT, GF-FE-IP
Thread Type : NPT, ISO tapered, ISO parallel
Thread Size : Specify
Material : Specify
Tube dia : 1/8”, 1/4”, 5/16”, 3/8”, 1/2”, 5/8”, 3/4”, 7/8”, 1” **OR Metric:** 3, 6, 8, 10, 12, 16, 25



39) Tube End Closure specifications:

Model : GF-TEC
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



40) Fitting End Closure specifications:

Model : GF-FEC
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2"



41) Coupling Cap/Nut specifications:

Model : GF-CC
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 3, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



42) Front Ferrule specifications:

Model : GF-FF
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 4, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



43) Back Ferrule specifications:

Model : GF-BF
Material : Specify
Tube dia : 1/16", 1/8", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8", 1", 1 1/4", 1 1/2", 2" **OR**
Metric: 4, 6, 8, 10, 12, 14, 15, 16, 18, 20, 22, 25, 28, 30, 32, 38



Note:- Specifications other than above offered on request. Refer "optional items list" or "accessories catalogue" for more details, if required