Female NPT/10,000 and 15,000 psi

Pipe Connection Valves

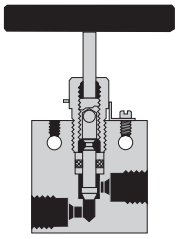
• 1/8" • 1/4" • 3/8" • 1/2" NPT • 3/4" NPT • 1" NPT

Non-rotating tip stems are standard for on-off service and insure long life on valve seats. Regulating tip stems are available for all valves at no additional cost.

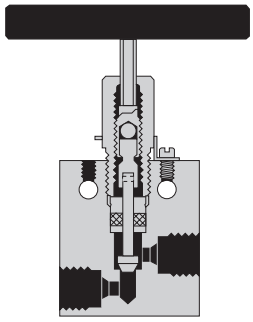
Materials include high tensile Type 316 stainless steel for valve bodies, and hardened 17-4PH stainless steel for lower section stems.

Packing is Teflon (450°F) standard with optional Viton (350°F), BUNA-N (200°F) and Grafoil (650°F) available at no additional cost.

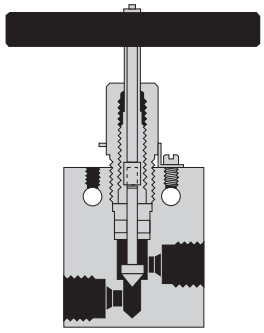
Air operators for remote control operation are available for all valves. (See Air Operator section of catalog).



NFA (1/8") and NFB (1/4")

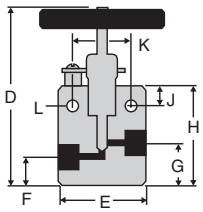


NFC (3/8") and NFD (1/2")



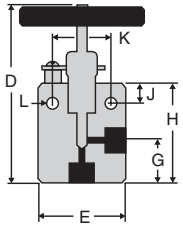
NFF (3/4") and NFH (1")

Two Way Straight Valves



Pipe Size	Catalog No.*	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" NPT	15F-11NFA	15,000	NFA	.203	4 3/8"	2"	3/8"	13/16"	2"	3/8"	1 1/4"	7/32"	3/4"
1/4" NPT	15F-11NFB	15,000	NFB	.203	4 3/8"	2"	3/8"	13/16"	2"	3/8"	1 1/4"	7/32"	3/4"
3/8" NPT	15F-11NFC	15,000	NFC	.312	6 1/8"	2 1/2"	1/2"	1 1/8"	2 7/8"	1/2"	1 3/8"	11/32"	1"
1/2" NPT	15F-11NFD	15,000	NFD	.312	6 3/8"	2 5/8"	3/4"	1 3/8"	3 1/8"	1/2"	1 3/8"	11/32"	1 1/2"
3/4" NPT	10F-11NFF	10,000	NFF	.687	8 1/2"	4 1/8"	7/8"	1 13/16"	4 5/8"	1 1/8"	2 1/2"	9/16"	1 3/4"
1" NPT	10F-11NFH	10,000	NFH	.687	8 1/2"	4 1/8"	7/8"	1 13/16"	4 5/8"	1 1/8"	2 1/2"	9/16"	1 3/4"

Two Way Angle Valves



Pipe Size	Catalog No.*	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" NPT	15F-12NFA	15,000	NFA	.203	4 13/16"	2"	—	1 1/4"	2 7/16"	3/8"	1 1/4"	7/32"	3/4"
1/4" NPT	15F-12NFB	15,000	NFB	.203	4 13/16"	2"	—	1 1/4"	2 7/16"	3/8"	1 1/4"	7/32"	3/4"
3/8" NPT	15F-12NFC	15,000	NFC	.312	6 1/2"	2 1/2"	—	1 1/2"	3 1/4"	1/2"	1 3/8"	11/32"	1"
1/2" NPT	15F-12NFD	15,000	NFD	.312	6 1/2"	2 5/8"	—	1 1/2"	3 1/4"	1/2"	1 3/8"	11/32"	1 1/2"
3/4" NPT	10F-12NFF	10,000	NFF	.687	9"	4 1/8"	—	2 5/16"	5 1/8"	1 1/8"	2 1/2"	9/16"	1 3/4"
1" NPT	10F-12NFH	10,000	NFH	.687	9"	4 1/8"	—	2 5/16"	5 1/8"	1 1/8"	2 1/2"	9/16"	1 3/4"

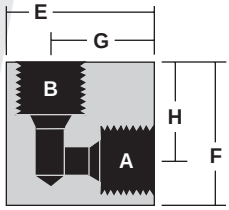
* For valves requiring high temperature Grafoil packing in the 1/8" NPT, or 1/4" NPT or 3/8" NPT sizes, add suffix "-W" to catalog number. (Example 10-11NFB-W.)

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Elbows/Tees/Crosses

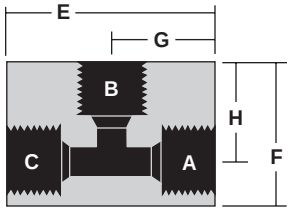
A complete range of elbows, tees, and crosses is available for all of the tubing connection sizes. Material is high tensile 316 stainless steel.

NPT Elbows



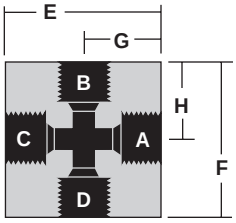
Catalog No.	Pressure Rating psi	Connections	A-B	E	F	G	H	Thickness
15-22NFA	15,000	1/8" FNPT	NFA	1 1/2"	1 1/2"	1"	1"	3/4"
15-22NFB	15,000	1/4" FNPT	NFB	1 1/2"	1 1/2"	1"	1"	1"
15-22NFC	15,000	3/8" FNPT	NFC	1 1/2"	1 1/2"	1"	1"	1"
15-22NFD	15,000	1/2" FNPT	NFD	2 5/8"	1 7/8"	1 7/8"	1 1/8"	1 1/2"
10-22NFF	10,000	3/4" FNPT	NFF	2 5/8"	2 5/16"	1 5/16"	1 3/8"	1 1/2"
10-22NFH	10,000	1" FNPT	NFH	3"	3"	2 1/16"	2 1/16"	1 3/4"

NPT Tees



Catalog No.	Pressure Rating psi	Connections	A-B	E	F	G	H	Thickness
15-23NFA	15,000	1/8" FNPT	NFA	1 1/2"	1 1/4"	3/4"	3/4"	3/4"
15-23NFB	15,000	1/4" FNPT	NFB	2"	1 1/2"	1"	1"	1"
15-23NFC	15,000	3/8" FNPT	NFC	2"	1 1/2"	1"	1"	1"
15-23NFD	15,000	1/2" FNPT	NFD	2 5/8"	2 1/8"	1 5/16"	1 3/8"	1 1/2"
10-23NFF	10,000	3/4" FNPT	NFF	2 5/8"	2 1/8"	1 5/16"	1 3/8"	1 1/2"
10-23NFH	10,000	1" FNPT	NFH	4 1/8"	3"	2 1/16"	2 1/16"	1 3/4"

NPT Crosses



Catalog No.	Pressure Rating psi	Connections	A-B	E	F	G	H	Thickness
15-24NFA	15,000	1/8" FNPT	NFA	1 1/2"	1 1/2"	3/4"	3/4"	3/4"
15-24NFB	15,000	1/4" FNPT	NFB	2"	2"	1"	1"	1"
15-24NFC	15,000	3/8" FNPT	NFC	2"	2"	1"	1"	1"
15-24NFD	15,000	1/2" FNPT	NFD	2 5/8"	2 3/4"	1 5/16"	1 3/8"	1 1/2"
10-24NFF	10,000	3/4" FNPT	NFF	2 5/8"	2 3/4"	1 5/16"	1 3/8"	1 1/2"
10-24NFH	10,000	1" FNPT	NFH	4 1/8"	4 1/8"	2 1/16"	2 1/16"	1 3/4"

NPT Straight Couplings

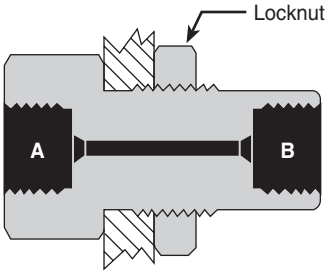
Standard material is high tensile 316 stainless steel.



Catalog No.	Pressure Rating psi	Connections	A-B	Length	Hex
15-21NFA	15,000	1/8" FNPT	NFA	1 1/4"	3/4"
15-21NFB	15,000	1/4" FNPT	NFB	1 3/4"	1"
15-21NFC	15,000	3/8" FNPT	NFC	1 3/8"	1"
15-21NFD	15,000	1/2" FNPT	NFD	1 7/8"	1 3/8"
10-21NFF	10,000	3/4" FNPT	NFF	2 1/2"	1 3/8"
10-21NFH	10,000	1" FNPT	NFH	2 1/2"	1 3/4"

NPT Bulkhead Couplings

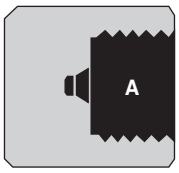
Bulkhead couplings are designed specifically for passing a tubing connection through a panel or steel barricade. These couplings include a locknut as shown. Material is high tensile 316 stainless steel.



Catalog No.	Pressure Rating psi	Connections	A-B	Length	Hex	Hole Diameter
15-21NFA-B	15,000	1/8" FNPT	NFA	2 1/8"	1"	3/4" - 16
15-21NFB-B	15,000	1/4" FNPT	NFB	2 1/8"	1"	3/4" - 16
15-21NFC-B	15,000	3/8" FNPT	NFC	2 3/8"	1 3/8"	7/8" - 14
15-21NFD-B	15,000	1/2" FNPT	NFD	2 3/8"	1 1/2"	1 1/16" - 12
10-21NFF-B	10,000	3/4" FNPT	NFF	2 5/8"	1 7/8"	1 5/8" - 12
10-21NFH-B	10,000	1" FNPT	NFH	3 1/2"	2 1/8"	1 7/8" - 12

NPT Caps

Tubing end caps are offered for use in sealing off tubing ends either for temporary use or permanent use such as on small volume reservoirs. Standard material is high tensile 316 stainless steel.



Catalog No.	Pressure Rating psi	Connections	A-B	Length	Hex
15-21NFA-C	15,000	1/8" FNPT	NFA	3/4"	3/4"
15-21NFB-C	15,000	1/4" FNPT	NFB	1"	1"
15-21NFC-C	15,000	3/8" FNPT	NFC	1 1/4"	1"
15-21NFD-C	15,000	1/2" FNPT	NFD	1 1/2"	1 3/8"
10-21NFF-C	10,000	3/4" FNPT	NFF	1 3/4"	1 3/8"
10-21NFH-C	10,000	1" FNPT	NFH	1 3/4"	1 3/4"

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