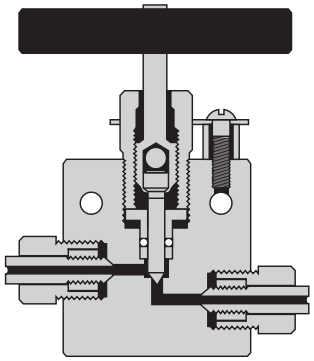
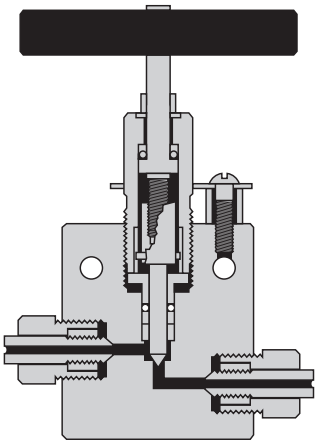
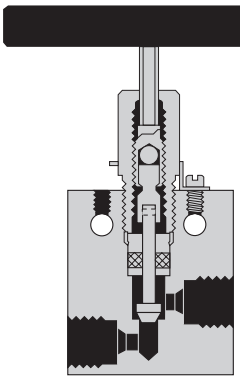


HF2 (1/8")



HF4 (1/4"), HF6 (3/8") and HF9 (9/16")



HF16 (1")

30,000 psi High Pressure Valves

High Pressure (coned & threaded) type connections for 1/8", 1/4", 3/8", 9/16" and 1" O.D. tubing.

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, add - REG to part number.

Glands and collars for tubing are supplied with each valve unless otherwise requested (glands and collars shown on pages 4.8 and 4.A).

Materials include high tensile type 316 stainless steel bodies and hardened 17-4PH stainless steel lower section stems.

Packing is Teflon (450°F) standard with optional Viton (350°F), BUNA-N (200°F) and Grafoil (800°F) available at no additional cost.

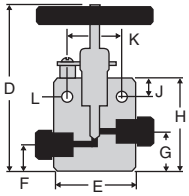
Air operators for remote control operation are available for all valves. (Select required valve and add "HIPCO". Refer to section 7.0 for additional data).

High temperatures can be accommodated using extended stuffing boxes (see page 6.4). These are available for all sizes except 1/8" tubing. To order, add suffix -HT to standard valve catalog number.

Valve Features

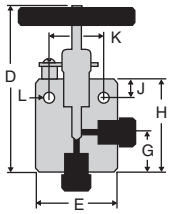
- Non-rotating stem tips
- Packing below stem threads
- Type 316 ss high tensile bodies
- Positive gland lock device
- No stem adjustment needed
- Black T-handles or choice of 4 colors
- Tube sizes 1/8" through 9/16"

Two Way Straight Valves



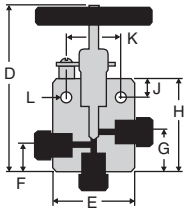
Tubing	Catalog No.	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" O.D.	30-11HF2	30,000	HF2	1/16"	3 1/4"	1 1/2"	11/16"	15/16"	1 13/16"	5/16"	7/8"	9/64"	3/4"
1/4" O.D.	30-11HF4	30,000	HF4	3/32"	5 3/16"	2"	5/8"	1"	2 7/16"	1/2"	1 3/8"	7/32"	1"
3/8" O.D.	30-11HF6	30,000	HF6	1/8"	5 3/16"	2"	5/8"	1"	2 7/16"	1/2"	1 3/8"	7/32"	1"
9/16" O.D.	30-11HF9	30,000	HF9	1/8"	5 5/8"	2 5/8"	1"	1 7/16"	2 7/8"	1/2"	1 3/8"	7/32"	1 1/2"
1" O.D.	30-11HF16	30,000	HF16	7/16"	8 27/64"	4 1/8"	15/16"	1 11/16"	4 7/16"	1 1/8"	2 1/2"	9/16"	1 3/4"

Two Way Angle Valves



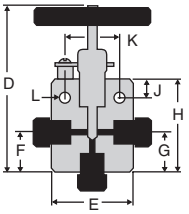
Tubing	Catalog No.	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" O.D.	30-12HF2	30,000	HF2	1/16"	3 1/4"	1 1/2"	–	15/16"	1 13/16"	5/16"	7/8"	9/64"	3/4"
1/4" O.D.	30-12HF4	30,000	HF4	3/32"	5 3/16"	2"	–	1"	2 7/16"	1/2"	1 3/8"	7/32"	1"
3/8" O.D.	30-12HF6	30,000	HF6	1/8"	5 9/16"	2"	–	1 3/8"	2 13/16"	1/2"	1 3/8"	7/32"	1"
9/16" O.D.	30-12HF9	30,000	HF9	1/8"	5 5/8"	2 5/8"	–	1 7/16"	2 7/8"	1/2"	1 3/8"	7/32"	1 1/2"
1" O.D.	30-12HF16	30,000	HF16	7/16"	9 11/32"	4 1/8"	–	2 3/8"	5 1/8"	1 1/8"	2 1/2"	9/16"	1 3/4"

Three Way Valves / Two Pressure Connections



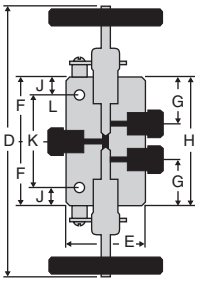
Tubing	Catalog No.	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" O.D.	30-13HF2	30,000	HF2	1/16"	3 1/4"	1 1/2"	11/16"	15/16"	1 13/16"	5/16"	7/8"	9/64"	3/4"
1/4" O.D.	30-13HF4	30,000	HF4	3/32"	5 3/16"	2"	5/8"	1"	2 7/16"	1/2"	1 3/8"	7/32"	1"
3/8" O.D.	30-13HF6	30,000	HF6	1/8"	5 9/16"	2"	1"	1 3/8"	2 13/16"	1/2"	1 3/8"	7/32"	1"
9/16" O.D.	30-13HF9	30,000	HF9	1/8"	6 1/16"	2 5/8"	1 7/16"	1 7/8"	3 5/16"	1/2"	1 3/8"	7/32"	1 1/2"
1" O.D.	30-13HF16	30,000	HF16	7/16"	9 23/32"	4 1/8"	2 3/8"	2 13/16"	5 9/16"	1 1/8"	2 1/2"	9/16"	1 3/4"

Three Way Valves / One Pressure Connection



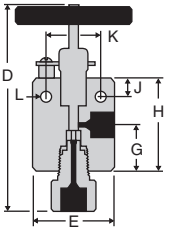
Tubing	Catalog No.	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" O.D.	30-14HF2	30,000	HF2	1/16"	3 1/4"	1 1/2"	15/16"	15/16"	1 13/16"	5/16"	7/8"	9/64"	3/4"
1/4" O.D.	30-14HF4	30,000	HF4	3/32"	5 3/16"	2"	1"	1"	2 7/16"	1/2"	1 3/8"	7/32"	1"
3/8" O.D.	30-14HF6	30,000	HF6	1/8"	5 9/16"	2"	2"	1 7/16"	2 13/16"	1/2"	1 3/8"	7/32"	1"
9/16" O.D.	30-14HF9	30,000	HF9	1/8"	5 5/8"	2 5/8"	2 3/16"	1 7/16"	2 7/8"	1/2"	1 3/8"	7/32"	1 1/2"
1" O.D.	30-14HF16	30,000	HF16	7/16"	9 11/32"	4 1/8"	2 3/8"	2 3/8"	5 1/8"	1 1/8"	2 1/2"	9/16"	1 3/4"

Three Way / Two Stem Connection Valves



Tubing	Catalog No.	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/8" O.D.	30-15HF2	30,000	HF2	1/16"	5 1/4"	1 1/2"	15/16"	7/8"	2 1/2"	5/16"	1 7/8"	9/64"	3/4"
1/4" O.D.	30-15HF4	30,000	HF4	3/32"	9 1/4"	2"	1"	1 7/16"	3 3/4"	1/2"	2 3/4"	7/32"	1"
3/8" O.D.	30-15HF6	30,000	HF6	1/8"	9 1/2"	2"	2"	1 7/16"	4"	1/2"	3"	7/32"	1"
9/16" O.D.	30-15HF9	30,000	HF9	1/8"	9 7/8"	2 5/8"	2 3/16"	1 7/16"	4 3/8"	1/2"	3 3/8"	7/32"	1 1/2"
1" O.D.	30-15HF16	30,000	HF16	7/16"	11 13/16"	4 1/8"	3 7/8"	2 3/4"	7 3/4"	1 1/8"	2 1/2"	9/16"	1 3/4"

Replaceable Seat Valves



Tubing	Catalog No.	psi	Connection	Orifice	D	E	F	G	H	J	K	L	Thickness
1/4" O.D.	30-12HF4-R	30,000	HF4	3/32"	6"	2"	–	1"	2 7/16"	1/2"	1 3/8"	7/32"	1"
3/8" O.D.	30-12HF6-R	30,000	HF6	1/8"	6 5/8"	2"	–	1 3/8"	2 13/16"	1/2"	1 3/8"	7/32"	1"
9/16" O.D.	30-12HF9-R	30,000	HF9	1/8"	6 13/16"	2 5/8"	–	1 7/16"	2 7/8"	1/2"	1 3/8"	7/32"	1 1/2"
1" O.D.	30-12HF16-R	30,000	HF16	7/16"	10 7/8"	4 1/8"	–	2 3/8"	5 1/8"	1 1/8"	2 1/2"	9/16"	1 3/4"

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