

30k SERIES

Needle valves and accessories
Up to 30,000 psi (2068 bar)

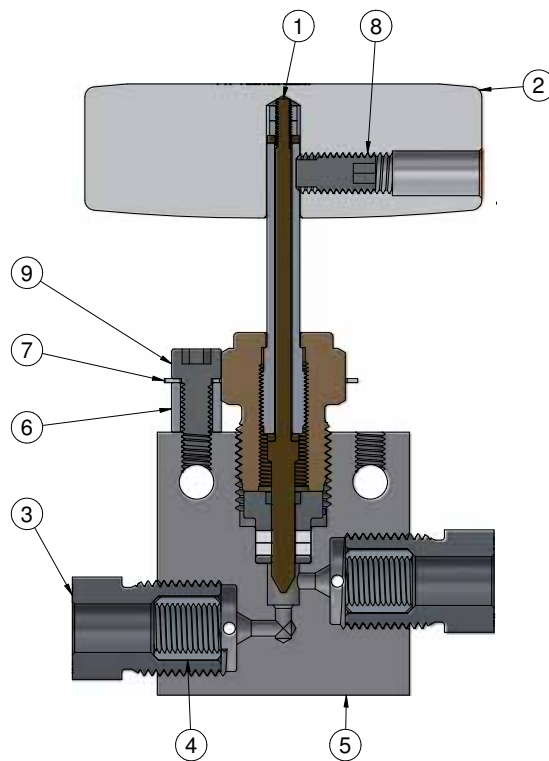
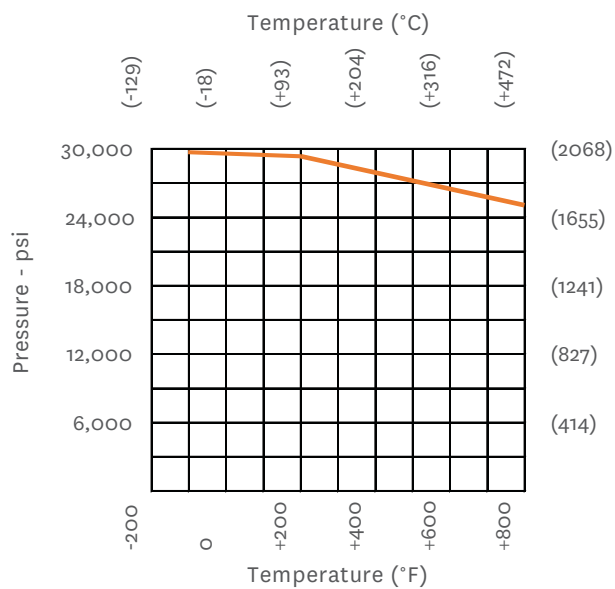
High Pressure Valves

High Pressure Needle Valves are available in applications such as the chemical/petrochemical, water-blast, water-jet, research, and oil and gas industries. In all version Medium Pressure Needle Valves Gland Nut and Collar are included.

Features

- Pressure: 30,000 psi (2068 bar)
- Connections from 1/4" to 9/16" coned and threaded tube
- Non-rotating stem and bar stock body design
- Metal-to-metal seating achieving ideal shutoff, longer stem/seat service lifetime for abrasive flow
- Excellent corrosion resistance and greater durability for repeated on/off cycles
- RPTFE standard packing material
- Packing RPTFE can be operated from -100°F (73°C) to + 600°F (316°C)
- The locking device of packing gland is reliable
- 3.1 (UNI EN 10204) certificate included
- Standard body material AISI 316/316L

Pressure / Temperature Curve



Item	Component	Material
1	Bonnet	See page 14
2	Handle	Coating aluminium RAL 2008
3	Gland	AISI 316/316L
4	Collar	AISI 316/316L
5	Valve body	AISI 316/316L
6	Spacer	AISI 316/316L
7	Locking device	AISI 316/316L
8	Handle screw	A4 - AISI 316
9	Screw	A4 - AISI 316

15k

20k

30k
needle
valve

accessories

60k

TUBING

TOOLS

SPARE
PARTS

30k NEEDLE VALVES

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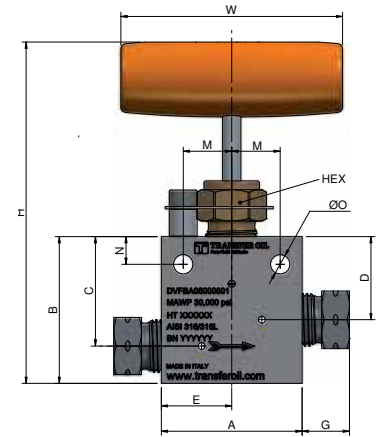
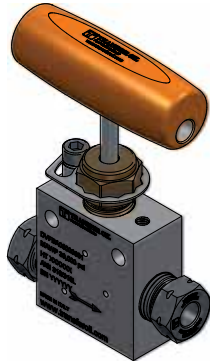
TUBING

TOOLS

SPARE
PARTS

Straight 2 ways

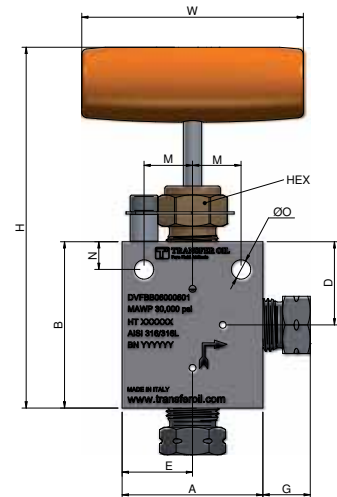
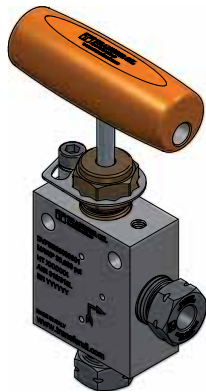
Up to 30,000 psi (2068 bar)



DVFBA - Straight needle valve 30k psi (2068 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVFBA04000401	1/4" HP	mm	123	80,0	50,8	53,0	39,5	30,0	25,4	14,2	17,5	10	7	22	3,20	25,4	740 g
		in.	4.85	3.15	2.00	2.09	1.56	1.18	1.00	0.56	0.69	0.39	0.28	0.867	0.13	1.00	1.63 lb
DVFBA06000601	3/8" HP	mm	123	80,0	50,8	53,0	39,5	30,0	25,4	18,2	17,5	10	7	22	3,20	25,4	770 g
		in.	4.85	3.15	2.00	2.09	1.56	1.18	1.00	0.72	0.69	0.39	0.28	0.867	0.13	1.00	1.69 lb
DVFBA09000901	9/16" HP	mm	132	80,0	66,7	62,0	44,0	31,0	33,3	26,2	17,5	10	7	22	3,20	38,1	1570 g
		in.	5.20	3.15	2.63	2.44	1.73	1.22	1.31	1.03	0.69	0.39	0.28	0.87	0.13	1.50	3.45 lb

* Include gland and collar



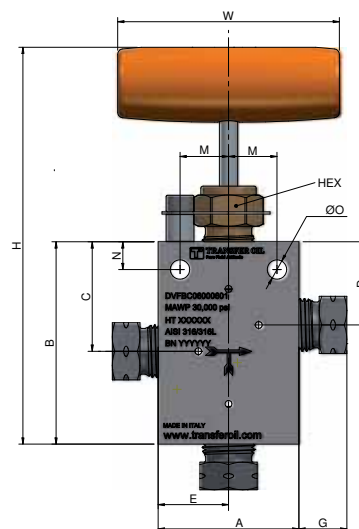
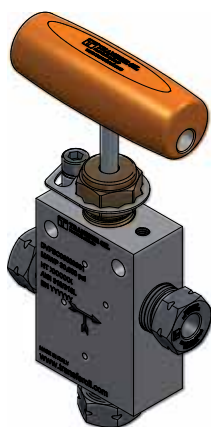
DVFBB - Angle needle valve 30k psi (2068 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVFBB04000401	1/4" HP	mm	123	80	50,8	53	-	30	25,4	14,2	17,5	10	7	22	3,2	25,4	740 g
		in.	4.85	3.15	2.00	2.09	-	1.18	1.00	0.56	0.69	0.39	0.28	0.867	0.13	1.00	1.63 lb
DVFBB06000601	3/8" HP	mm	130	80	50,8	60	-	30	25,4	18,2	17,5	10	7	22	3,2	25,4	840 g
		in.	5.12	3.15	2.00	2.36	-	1.18	1.00	0.72	0.69	0.39	0.28	0.867	0.13	1.00	1.85 lb
DVFBB09000901	9/16" HP	mm	136	80	66,7	66	-	31	33,3	26,2	17,5	10	7	22	3,2	38,1	1660 g
		in.	5.36	3.15	2.63	2.60	-	1.22	1.31	1.03	0.69	0.39	0.28	0.867	0.13	1.50	3.65 lb

* Include gland and collar

30k NEEDLE VALVES

Three way needle valve
Up to 30,000 psi (2068 bar)



15k

20k

**30k
needle
valve**

accessories

60k

TUBING

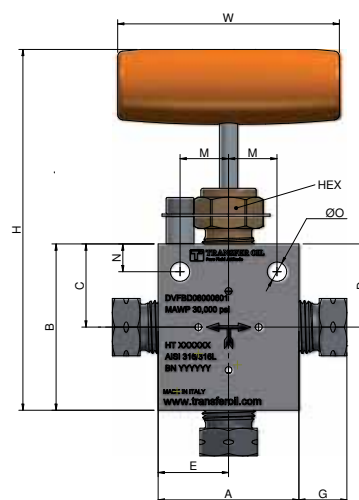
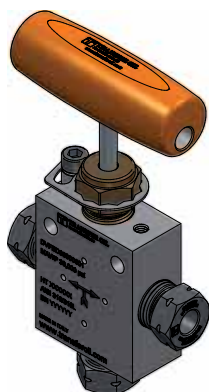
TOOLS

SPARE
PARTS

DVFBFC - Three Way Two pressure needle valve 30k psi (2068 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVFBFC04000401	1/4" HP	mm	130	80	50,8	60	39,5	30	25,4	14,2	17,5	10	7	22	3,2	25,4	820 g
		in.	5.12	3.15	2.00	2.36	1.56	1.18	1.00	0.56	0.69	0.39	0.28	0.867	0.13	1.00	1.8 lb
DVFBFC06000601	3/8" HP	mm	143	80	50,8	73	39,5	30	25,4	18,2	17,5	10	7	22	3,2	25,4	990 g
		in.	5.63	3.15	2.00	2.88	1.56	1.18	1.00	0.72	0.69	0.39	0.28	0.867	0.13	1.00	2.18 lb
DVFBFC09000901	9/16" HP	mm	153	80	66,7	83	44	31	33,3	26,2	17,5	10	7	22	3,2	38,1	2060 g
		in.	6.03	3.15	2.63	3.27	1.73	1.22	1.31	1.03	0.69	0.39	0.28	0.867	0.13	1.50	4.53 lb

* Include gland and collar



DVFBFD - Three way one pressure 30k psi (2068 bar)

Part No	Connection	UM	H	W	A	B	C	D	E	G	M	N	ØO	HEX	Ø Orifice	Thickness	Weight
DVFBFD04000401	1/4" HP	mm	123	80	50,8	53	30	30	25,4	14,2	17,5	10	7	22	3,2	25,4	750 g
		in.	4.85	3.15	2.00	2.09	1.18	1.18	1.00	0.56	0.69	0.39	0.28	0.867	0.13	1.00	1.65 lb
DVFBFD06000601	3/8" HP	mm	130	80	50,8	60	30	30	25,4	18,2	17,5	10	7	22	3,2	25,4	860 g
		in.	5.12	3.15	2.00	2.36	1.18	1.18	1.00	0.72	0.69	0.39	0.28	0.867	0.13	1.00	1.89 lb
DVFBFD09000901	9/16" HP	mm	136	80	66,7	66	31	31	33,3	26,2	17,5	10	7	22	3,2	38,1	1720 g
		in.	5.36	3.15	2.63	2.60	1.22	1.22	1.31	1.03	0.69	0.39	0.28	0.867	0.13	1.50	3.78 lb

* Include gland and collar