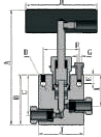
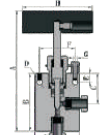
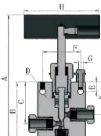
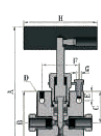
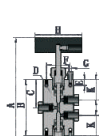
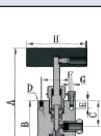
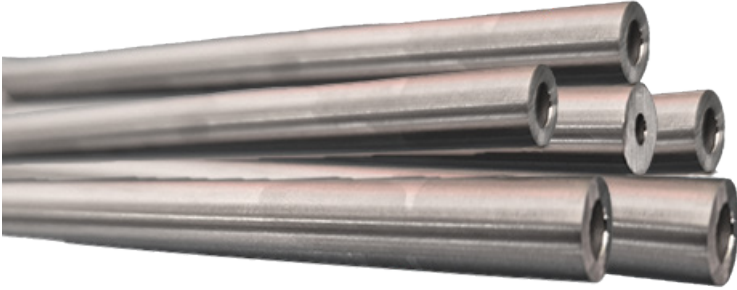


Manual Needle Valves

Medium Pressures to 20,000 psi (1,379 bar)

Valve Pattern	Model Number	O.D. Tube	Orifice (mm)	Dimensions (mm)											Valve Panel Hole (mm)	Block Thickness (mm)
				A	B	C	D	E	F	G	H	I	J	K		
2-Way Straight																
	HS20121	1/4"	2.8	126	55	43	6	10	40	M5	79	34.5	50	/	24	24
	HS20131	3/8"	4.5	126	55	44.5	6	10	40	M5	79	34.5	50	/	24	24
	HS20141	9/16"	7	154	73.5	60	8.7	13	35	M5	115	44.5	65	/	25	26
	HS20161	3/4"	11.1	158	95	76	10.5	20.5	56.5	M10	262	57	76	/	35	35
	HS20181	1"	14.3	203.5	117.5	95	14.3	28.5	63.5	M5	262	71.5	105	/	40	45
2-Way Angle																
	HS20122	1/4"	2.8	131	60	34.5	6	10	40	M5	79	25	50	/	24	24
	HS20132	3/8"	4.5	137	66	34.5	6	10	40	M5	79	25	50	/	24	24
	HS20142	9/16"	7	166	85	44.5	8.7	13	35	M5	115	32.5	65	/	25	26
	HS20162	3/4"	11.1	171	108	57	10.5	20.5	56.5	M10	262	38	76	/	35	35
	HS20182	1"	14.3	224	138	71.5	14.3	28.5	63.5	M5	262	52.5	105	/	40	45
3-Way 2 on Pressure Type																
	HS20123	1/4"	2.8	131	60	42	6	10	40	M5	79	25	50	34.5	24	24
	HS20133	3/8"	4.5	137	66	44	6	10	40	M5	79	25	50	34.5	24	24
	HS20143	9/16"	7	173	92	60	8.7	13	35	M5	115	32.5	65	44.5	25	26
	HS20163	3/4"	11.1	180.5	117.5	76	10.5	20.5	56.5	M10	262	38	76	57	35	35
	HS20183	1"	14.3	235	149	95	14.3	28.5	63.5	M5	262	52.5	105	71.5	40	45
3-Way 1 on Pressure Type																
	HS20124	1/4"	2.8	131	60	34.5	6	10	40	M5	79	25	50	/	2	24
	HS20134	3/8"	4.5	137	66	34.5	6	10	40	M5	79	25	50	/	24	24
	HS20144	9/16"	7	166	85	44.5	8.7	13	35	M5	115	32.5	65	/	25	26
	HS20164	3/4"	11.1	171	108	57	10.5	20.5	56.5	M10	262	38	76	/	35	35
	HS20184	1"	14.3	224	138	71.5	14.3	28.5	63.5	M5	262	52.5	105	/	40	45
3-Way, 2-Stem Manifold																
	HS20125	1/4"	2.8	229	90	45	6	10	40	M5	79	/	50	34.5	24	24
	HS20135	3/8"	4.5	236	95	47.5	6	10	40	M5	79	/	50	34.5	24	24
	HS20145	9/16"	7	292	130	65	8.7	13	35	M5	115	/	65	44.5	25	26
	HS20165	3/4"	11.1	317	165	82.5	10.5	20.5	56.5	M10	262	/	76	57	35	35
	HS20185	1"	14.3	417	191	104.8	14.3	28.5	63.5	M5	262	/	105	71.5	40	45
2-Way Angle Replaceable Seat																
	HS20126	1/4"	2.8	131	60	34.5	6	10	40	M5	79	25	50	/		24
	HS20136	3/8"	4.5	137	66	34.5	6	10	40	M5	79	25	50	/	24	24
	HS20146	9/16"	7	166	85.5	44.5	8.7	13	35	M5	115	32.5	65	/	25	26
	HS20166	3/4"	11.1	212	108	57	10.5	20.5	56.5	M10	262	38	76	/	35	35
	HS20186	1"	14.3	242	138	71.5	14.3	28.5	63.5	M5	262	52.5	105	/	40	45

20K Medium Pressure Tubing



Pressure Rating psi	Tube O/D	Tube I/D	Part NO.	Material
20,000	1 /4" (6.35mm)	0.11" (2.79mm)	G2014316-L	316L
	3/8" (9.53mm)	0.20" (5.31 mm)	G2038316-L	
	9/16" (14.3mm)	0.31" (7.94mm)	G2012316-L	
	3/4" (19.05mm)	0.44" (11.13mm)	G2034316-L	
	1" (25.4mm)	0.56" (14.3mm)	G2088316-L	