

Needle Valves



Made of nickel-plated brass or stainless steel, the needle valves are designed for applications that require manual flow adjustment.

Technical Characteristics

	Brass	Stainless Steel
Compatible Fluids	Compressed air, water, industrial fluids, etc. Other fluids: contact us	Many fluids
Working Pressure	0 to 120 bar	0 to 400 bar
Working Temperature	-20°C to +100°C (except model 0510)	-20°C to +180°C

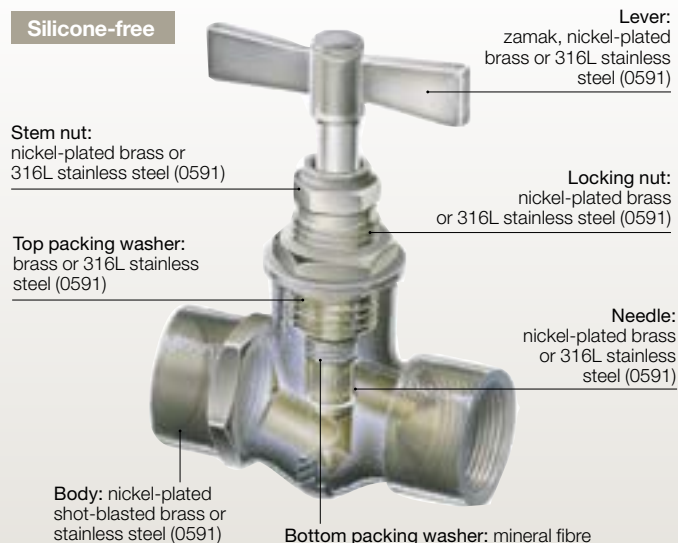
Reliable performance is dependent upon the type of fluid conveyed.

Advantages

- Manual flow adjustment
- Numerous valve and safety accessory configurations

Component Materials

Silicone-free

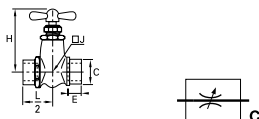


Regulations

- PED
- REACH
- RoHS

0502 In-Line Needle Valve, Female BSPP Thread

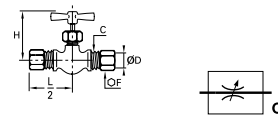
Nickel-plated brass



DN	C		E	H	H max	J	L/2	Kg
4	G1/8	0502 04 10	9	56	50	17	23	0.133
	G1/4	0502 04 13	11	56	50	17	23	0.120
6	G3/8	0502 06 17	12	67	60	26	0.171	
9	G3/8	0502 09 17	12	82	70	33	0.426	

0510 In-Line Needle Valve with Compression Connections

Nickel-plated brass



DN	ØD	C		F	H min	H max	L/2	Kg
4	6	M10x1	0510 04 06	13	42	46	29	0.083
8	8	M12x1	0510 05 08	14	42	46	30	0.083
5	10	M16x1.5	0510 05 10	19	42	46	31	0.134

The needle is sealed by an O-ring.

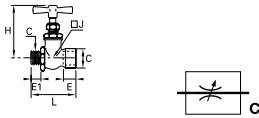
Maximum operating pressure: Ø4: 100 bar, Ø5: 60 bar

Working temperature: -15°C to +70°C

Tightening torques: please refer to the Compression Fittings chapter of this catalogue.

0501 In-Line Needle Valve, Male/Female BSPP Thread

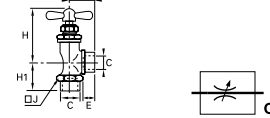
Nickel-plated brass



DN	C		E	E1	H	H max	J	L	Kg
4	G1/8	0501 04 10	9	7	56	50	17	44	0.118
	G1/4	0501 04 13	11	9.5	56	50	17	46	0.115
6	G3/8	0501 06 17	12	9.5	67	60	48	0.158	

0532 Right-Angle Needle Valve, Female BSPP Thread

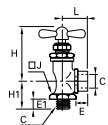
Nickel-plated brass



DN	C		E	H min	H max	H1	J	L	Kg
4	G1/8	0532 04 10	9	46	52	46	19	17	0.093
	G1/4	0532 04 13	11	46	52	46	21	17	0.087
6	G1/4	0532 06 13	11	55	63	55	26	22	0.171

0531 Right-Angle Needle Valve, Male/Female BSPP Thread

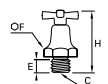
Nickel-plated brass



DN	C		E	E1	H min	H max	H1	J	L	Kg	
4	G1/8	0531 04 10	7	9	46	52	46	19	17	19	0.082
	G1/4	0531 04 13	9.5	11	46	52	46	21	17	21	0.090
6	G1/4	0531 06 13	9.5	11	55	63	55	25	22	26	0.155
	G3/8	0531 06 17	9.5	12	55	63	55	25	22	27	0.153
10	G1/2	0531 10 21	13	16	62	72	62	34	26	33	0.329

0562 Needle Drain Valve, Male BSPP and Metric Thread

Brass



DN	C		E	F	H min	H max	Kg
4	G1/8	0562 05 10	8	16	36	40	0.032
	G1/4	0562 05 13	10	19	38.5	42.5	0.040
5	M10x1	0562 05 60	8	16	37.5	40	0.031

0563 Needle Drain Valve, BSPT Thread

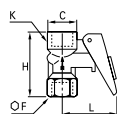
Brass



DN	C		F	H min	H max	Kg
5	R1/4	0563 05 14	14	28.5	32.5	0.021

0627 Automatic Vent Pressure Gauge Valve, Female BSPP Thread

Nickel-plated brass, NBR



C		F	H	K	L	Kg
G1/4	0627 00 13	19	43.5	20	40	0.097

Pressure: 10 bar

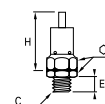
This isolating valve is used to connect a pressure gauge to a circuit.

Resetting the lever isolates and vents the gauge.

A locking pin can be used to enable the gauge to be fitted permanently.

0630 Pressure Relief Valve, Male BSPP Thread

Brass



C		E	F	H	Kg
G1/4	0630 06 13	9	17	42.5	0.050

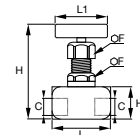
This valve is delivered without calibration, but can be adjusted by inserting metal washers into the hexagon (F).

Maximum working pressure: 10 bar

Calibration from 1 to 10 bar (not below)

0591 Needle Valve, Female BSPP Thread

Stainless steel 316L, PTFE



DN	C		F	H min	H max	H1	L	L1	Kg
3	G1/8	0591 03 10	22	90	99 90	25	45	48	0.342
4	G1/4	0591 04 13	22	90	99 90	25	50	48	0.354
5	G3/8	0591 05 17	22	90	104 90	30	56	48	0.430
6	G1/2	0591 06 21	22	90	104 90	30	62	48	0.478