





Needle and Butterfly Valves

Brass Needle Valve

In-Line			Right-Angled	
0502 Page 6-39	0501 Page 6-39	0510 Page 6-39	0532 Page 6-39	0531 Page 6-39
				

Drain Valve		Venting Pressure Gauge Valve	Pressure Relief Valve
0562 BSPP/Metric Page 6-40	0563 NPT Page 6-40	0627 BSPP Page 6-40	0630 BSPP Page 6-40
			

Stainless Steel Needle Valve

In-Line
0591 Page 6-41


Butterfly Valve

In-Line
4602 Page 6-43


Needle Valves

Parker Legris compact needle valves can be installed in any system and are designed for applications requiring accurate **leak-free fluid control** and **excellent service life**.

Product Advantages

Robust and Easy-to-Use

Accurate flow control
Forged brass for improved long-term mechanical strength
Robust stem for good operational reliability
Corrosion resistance

Wide Range

Two materials (nickel-plated brass and stainless steel) suitable for many applications
Numerous valve and safety accessory configurations



Pneumatics
Water Circuits
Machine Tools
Rubber Industry
Packaging
Textile

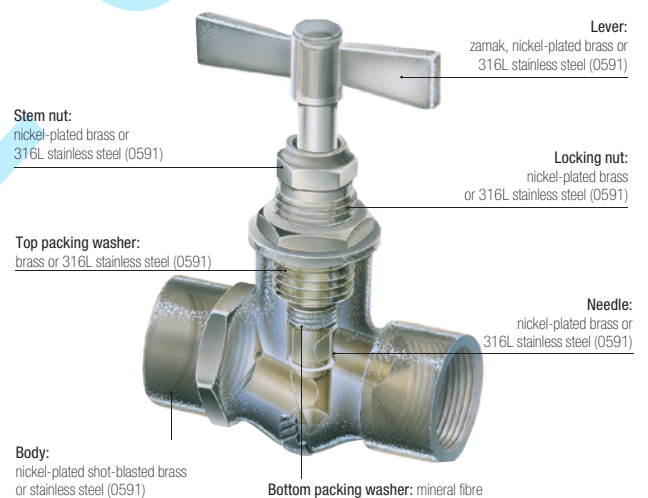
Applications

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
Tightening Torques	Threads	G1/8 G1/4 G3/8 G1/2
	daN.m	0.10 to 0.20 0.10 to 0.20 0.15 to 0.25 0.20 to 0.35

Reliable performance is dependent upon the type of fluid conveyed.

Component Materials



Silicone-free

Regulations


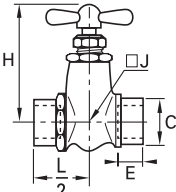
DI: 97/23/EC (module PED A - diameters greater than 25 mm)
DI: 2006/42/EC (Machinery Directive)
DI: 2002/95/EC (RoHS)
RG: 1907/2006 (REACH)

Brass Needle Valves

0502

In-Line Needle Valve, Female BSPP Thread


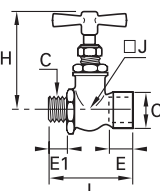


	Nickel-plated brass	C	DN		E	H	H _{max}	J	L/2	kg
		G1/8	4	0502 04 10	9	56	50	17	23	0.133
		G1/4	4	0502 04 13	11	56	50	17	23	0.118
		G3/8	6	0502 06 17	12	67	60	-	26	0.171
			9	0502 09 17	12	82	70	-	33	0.426

0501

In-Line Needle Valve, Male/Female BSPP Thread


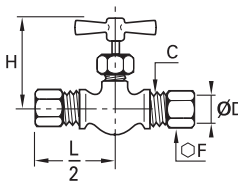


	Nickel-plated brass	C	DN		E	E1	H	H _{max}	J	L	kg
		G1/8	4	0501 04 10	9	7	56	50	17	44	0.118
		G1/4	4	0501 04 13	11	9.5	56	50	17	46	0.115
		G3/8	6	0501 06 17	12	9.5	67	60	-	48	0.158

0510

In-Line Needle Valve with Compression Connections


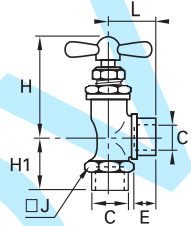


	Nickel-plated brass	ØD	C	DN		F	H _{min}	H _{max}	L/2	kg
		6	M10x1	4	0510 04 06	13	42	46	29	0.083
		8	M12x1	8	0510 05 08	14	42	46	30	0.083
		10	M16x1.5	5	0510 05 10	19	42	46	31	0.111
		The needle is sealed by an O-ring. Maximum operating pressure: Ø4: 100 bar, Ø5: 60 bar Working temperature: -15°C to +70°C Tightening torques: please refer to the Compression Fittings chapter of this catalogue.								

0532

Right-Angle Needle Valve, Female BSPP Thread


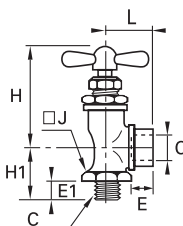


	Nickel-plated brass	C	DN		E	H _{min}	H _{max}	H1	J	L	kg
		G1/8	4	0532 04 10	9	46	52	19	17	19	0.093
		G1/4	4	0532 04 13	11	46	52	21	17	21	0.087
			6	0532 06 13	11	55	63	26	22	26	0.169

0531


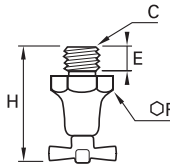

Right-Angle Needle Valve, Male/Female BSPP Thread




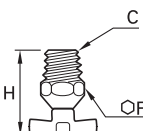


	Nickel-plated brass	C	DN		E	E1	H _{min}	H _{max}	H1	J	L	kg
		G1/8	4	0531 04 10	7	9	46	52	19	17	19	0.082
			4	0531 04 13	9.5	11	46	52	21	17	21	0.090
			6	0531 06 13	9.5	11	55	63	25	22	26	0.155
		G3/8	6	0531 06 17	9.5	12	55	63	25	22	27	0.153
		G1/2	10	0531 10 21	13	16	62	72	34	26	33	0.330

Brass Needle Valves



0562 Needle Drain Valve, Male BSPP and Metric Thread

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


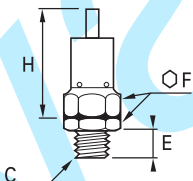

0563 Needle Drain Valve, Male NPT Thread

	Brass		C			F	H min	H max	kg
			NPT1/4	5	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
	<p>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.</p>							

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).					

Stainless Steel Needle Valves

0591

Needle Valve, Female BSPP Thread



	Stainless steel 316L, PTFE						F	H _{min}	H _{max}	H1	L	L1	kg
	G1/8	3	0591 03 10	22	90	99	25	45	48	0.345			
	G1/4	4	0591 04 13	22	90	99	25	50	48	0.356			
	G3/8	5	0591 05 17	22	90	104	30	56	48	0.430			
	G1/2	6	0591 06 21	22	90	104	30	62	48	0.483			

Kovan S.r.l.