

Needle and Butterfly Valve Range

Brass Needle Valves

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Right-Angled

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Venting Pressure Gauge Valve

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Stainless Steel Needle Valve

In-Line

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Butterfly Valve

In-Line

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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

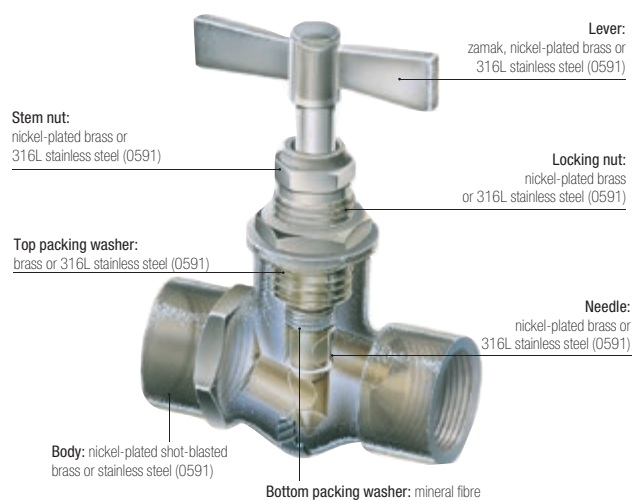
Applications

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



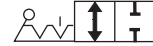
Silicone-free

Regulations

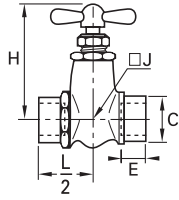
- DI: 97/23/EC (module PED A - diameters greater than 25 mm)
- DI: 2006/42/EC (Machinery Directive)
- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)

Brass Needle Valves

0502 In-Line Needle Valve, Female BSPP Thread

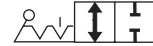


Nickel-plated brass

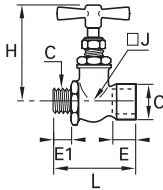


DN	C		E	H	H _{max}	J	L/2	Kg
4	G1/8	0502 04 10	9	56	50	17	23	0.133
	G1/4	0502 04 13	11	56	50	17	23	0.118
6	G3/8	0502 06 17	12	67	60	-	26	0.171
9	G3/8	0502 09 17	12	82	70	-	33	0.426

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

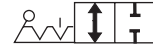


Nickel-plated brass

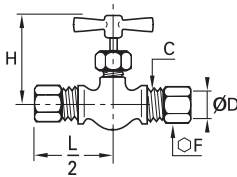


DN	C		E	E1	H	H _{max}	J	L	Kg
4	G1/8	0501 04 10	9	7	56	50	17	44	0.118
	G1/4	0501 04 13	11	9.5	56	50	17	46	0.115
6	G3/8	0501 06 17	12	9.5	67	60	-	48	0.158

0510 In-Line Needle Valve with Compression Connections



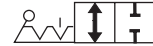
Nickel-plated brass



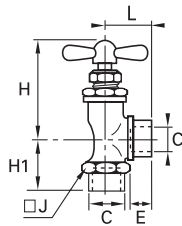
DN	ØD	C		F	H _{min}	H _{max}	L/2	Kg
4	6	M10x1	0510 04 06	13	42	46	29	0.083
8	8	M12x1	0510 05 08	14	42	46	30	0.083
5	10	M16x1.5	0510 05 10	19	42	46	31	0.111

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

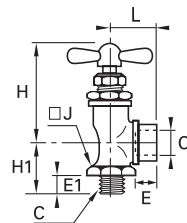


DN	C		E	H _{min}	H _{max}	H1	J	L	Kg
4	G1/8	0532 04 10	9	46	52	19	17	19	0.093
	G1/4	0532 04 13	11	46	52	21	17	21	0.087
6	G1/4	0532 06 13	11	55	63	26	22	26	0.171

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



Nickel-plated brass

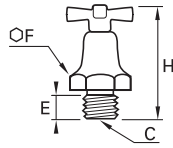



DN	C		E	E1	H _{min}	H _{max}	H1	J	L	Kg
4	G1/8	0531 04 10	7	9	46	52	19	17	19	0.082
	G1/4	0531 04 13	9.5	11	46	52	21	17	21	0.090
6	G1/4	0531 06 13	9.5	11	55	63	25	22	26	0.155
	G3/8	0531 06 17	9.5	12	55	63	25	22	27	0.153
10	G1/2	0531 10 21	13	16	62	72	34	26	33	0.329

Brass Needle Valves

0562 Needle Drain Valve, Male BSPP and Metric Thread

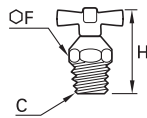
Brass



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

0563 Needle Drain Valve, Male NPT Thread

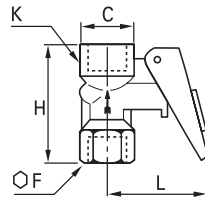
Brass



DN	C		F	H min	H max	Kg
5	G1/4	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

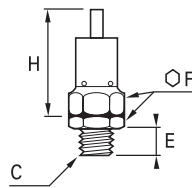
This isolating valve is used to connect a pressure gauge to a circuit.

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)

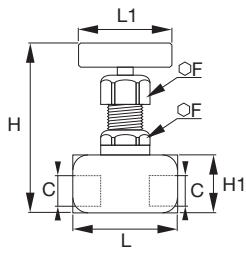
Stainless Steel Needle Valves

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	25	45	48	0.345
4	G1/4	0591 04 13	22	90	99	25	50	48	0.355
5	G3/8	0591 05 17	22	90	104	30	56	48	0.430
6	G1/2	0591 06 21	22	90	104	30	62	48	0.483

Butterfly Valves

In these robust valves, the internal component used to shut off the flow is a segment of a sphere. This allows **frequent operation with very low torque, no fluid retention areas** and therefore excellent mechanical performance.

Product Advantages

Compact & Abrasion-Resistant

- Excellent with abrasive fluids (including solid particles)
- Fluid flow direction marked for greater safety (uni-directional)
- Smooth operation
- Can be easily adapted for use with auxiliary actuators
- More compact than a ball valve with equivalent nominal diameter
- Simple and efficient design for a long service life

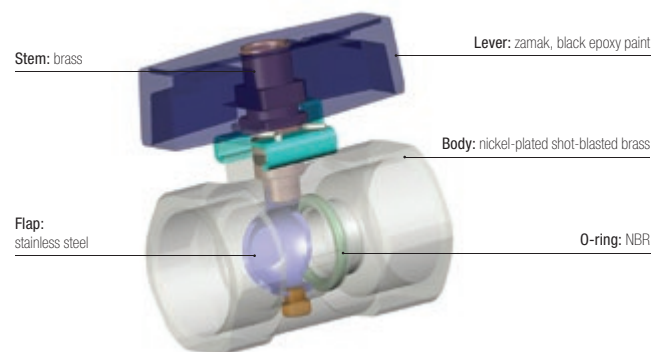
- ### Applications
- Painting & Printing
 - Machine Tools
 - Pneumatics
 - Powder Conveyance
 - Plumbing
 - Rubber Industry
 - Petrochemical

Technical Characteristics

Compatible Fluids	Compressed air, industrial gases, water, cutting oils, hydraulic oils, fuel oil, fuel, etc.
Working Pressure	0 to 16 bar
Working Temperature	-20°C to +80°C

Reliable performance is dependent upon the type of fluid conveyed.

Component Materials



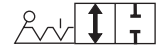
Silicone-free

Regulations

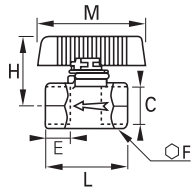
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- DI: 2006/42/EC (Machinery Directive)
- DI: 2002/95/EC (RoHS)
- RG: 1907/2006 (REACH)


Butterfly Valves

4602 2/2 Butterfly Shut-Off Valve, Female BSPP Thread



Nickel-plated brass, NBR



DN	C		E	F	H	L	M	Kg
6	G1/4	4602 06 13	9	17	35	34	54	0.102
7	G3/8	4602 07 17	11	22	35	39	54	0.136
10	G1/2	4602 10 21	12	24	37	42	54	0.140
13	G3/4	4602 13 27	14	30	40	49	54	0.208
18	G1	4602 18 34	15	41	46	55	54	0.412

Black epoxy-coated zamak handle