

Parker Product Datasheet



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.

PART NUMBER: 0501 04 10
CONNECTION 1 THREAD STYLE: BSPP
PRODUCT TYPE: Brass Needle Valves
CONNECTION 2 TUBE O.D. (MM): na
BODY MATERIAL: NICKEL PLATED BRASS
DIAMETER NOMINAL (DN): 4
SHAPE: In line needle valve male and female
CONNECTION 1 THREAD SIZE (METRIC): G1/8

PRODUCT OVERVIEW

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.

Features/Benefits:

- 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

Markets:

- Packaging
- Wearing Apparel
- Lumber & Wood
- Rubber & Tire Processing
- Plastic Processing
- Water
- Rail

Applications:

- Allow/Stop Fluid Circulation on Industrial Circuits with Accuracy
- Suitable for Slightly Corrosive Industrial Fluids

Technologies:

- Pressure relief valve
- Industrial valves
- Gauge valve
- Brass needle valve
- Stainless steel needle valve

Technical Characteristics:

- Fluids:

Brass: Compressed air, water, industrial fluids, etc. Other fluids: contact us

Stainless steel: Many fluids

- Materials: zamk, nickel-plated brass or 316L stainless steel, mineral fibre, nickel-plated shot-blasted brass or stainless steel, silicone free

- Pressure:

Brass: 0 to 120 bar

Stainless steel: 0 to 400 bar

- Temperature:

Brass: -20°C to +100°C (except model 0510)

Stainless steel: -20°C to 180°C

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)

Product Types:

- In-Line Needle Valve, Female BSPP Thread
- In-Line Needle Valve, Male/Female BSPP Thread
- In-Line Needle Valve with Compression Connections
- Right-Angle Needle Valve, Female BSPP Thread
- Right-Angle Needle Valve, Male/Female BSPP Thread
- Needle Drain Valve, Male BSPP and Metric Thread
- Needle Drain Valve, Male NPT Thread
- Automatic Vent Pressure Gauge Valve, Female BSPP Thread
- Pressure Relief Valve, Male BSPP Thread
- Needle Valve, Female BSPP Thread

TECH SPECIFICATIONS

SPECIFICATIONS MET	DI: 97/23/EC (module PED A - diameters greater than 25 mm)
FOR FLUID TYPE	Oil
MAXIMUM OPERATING TEMPERATURE	100 °C
MAXIMUM OPERATING PRESSURE	12 MPa
CONNECTION TYPE	BSPP
TECHNOLOGY	Pneumatics
OPERATION TYPE	Lever-operated
DIVISION	Low Pressure Connectors Europe Division
MAXIMUM FLOW RATE	22.98 NL/min at 6 Bar (H2O)

FLOW RATE	6.98 to 22.98 NL/min at 6 bar (H2O)
SEAT MATERIAL	n/a
APPLICATION	Water Circuits
MINIMUM OPERATING TEMPERATURE	-4 °F
MAXIMUM FLOW RATE	6.98 NL/min at 6 Bar (H2O)
REGION OF ORIGIN	France
FUNCTION	2-way
PRODUCT TYPE	Needle Valves
MAXIMUM OPERATING PRESSURE	1740 psi
CONNECTION SIZE	G1/8
FOR FLUID TYPE	Inert Gases
QUANTITY PER BOX	1
TECHNOLOGY	Process Control
APPLICATION	Packaging
MAXIMUM OPERATING PRESSURE	120 bar
INDUSTRY	Industrial Manufacturing Equipment
ORIFICE SIZE	4 mm
FOR FLUID TYPE	Water
SEAL MATERIAL	Mineral Fiber
BODY MATERIAL	Nickel-Plated Brass
APPLICATION	Machine Tools
ACTUATION TYPE	Manual
CONFIGURATION	n/a
WEIGHT	0.2596 lb
SLEEVE MATERIAL	Brass
APPLICATION	Pneumatics

MOUNTING TYPE	Inline
MAXIMUM OPERATING TEMPERATURE	212 °F
NUMBER OF PORTS	n/a
PRODUCT STYLE	Male and Female Needle Valve
TECHNOLOGY	Fluid & Gas Handling
APPLICATION	Textile
HANDLE TYPE	Butterfly Lever (Nickel-Plated Brass)
BRAND	Legris
WEIGHT	0.118 kg
FOR FLUID TYPE	Air
DIVISION	Low Pressure Connectors Europe Division
APPLICATION	Rubber Industry
CYCLES PER LIFETIME	n/a
MINIMUM OPERATING TEMPERATURE	-20 °C
PRODUCT SERIES	Brass Needle Valves