

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: 0591 05 17
CONNECTION 1 THREAD STYLE: BSPP
CONNECTION 1 THREAD SIZE (METRIC): G3/8
CONNECTION 2 TUBE O.D. (MM): na
BODY MATERIAL: STAINLESS STEEL 316L
DIAMETER NOMINAL (DN): 5
SHAPE: Stainless steel needle valve female
PRODUCT TYPE: Stainless Steel Needle Valves

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

DIVISION	Low Pressure Connectors Europe Division
APPLICATION	Water Circuits
O-RING MATERIAL	PTFE
BODY MATERIAL	Stainless Steel 316L
APPLICATION	Packaging
SLEEVE MATERIAL	Brass
APPLICATION	Machine Tools
SEAL MATERIAL	PTFE
OPERATION TYPE	Lever-operated
APPLICATION	Rubber Industry

SPECIFICATIONS MET	DI: 97/23/EC (module PED A - diameters greater than 25 mm)
TECHNOLOGY	Pneumatics
APPLICATION	Textile
PRODUCT STYLE	Female Needle Valve
SEAT MATERIAL	n/a
CONNECTION TYPE	BSPP
QUANTITY PER BOX	1
TECHNOLOGY	Process Control
PRODUCT TYPE	Needle Valves
REGION OF ORIGIN	Italy
FUNCTION	2-way
TECHNOLOGY	Fluid & Gas Handling
CYCLES PER LIFETIME	n/a
MAXIMUM FLOW RATE	18.32 NL/min at 6 Bar (H2O)
FLOW RATE	18.32 NI/m at 6 bar (H2O)
DIVISION	Low Pressure Connectors Europe Division
MOUNTING TYPE	Inline
CONFIGURATION	n/a
INDUSTRY	Industrial Manufacturing Equipment
MAXIMUM OPERATING PRESSURE	5802 psi
MAXIMUM OPERATING TEMPERATURE	356 °F
ORIFICE SIZE	5 mm
HANDLE TYPE	Butterfly Lever (Stainless Steel)
MINIMUM OPERATING TEMPERATURE	-20 °C
PRODUCT SERIES	Stainless Steel Needle Valves

MAXIMUM OPERATING PRESSURE	400 bar
CONNECTION SIZE	G3/8
WEIGHT	0.946 lb
FOR FLUID TYPE	Water
MAXIMUM OPERATING PRESSURE	40 MPa
BRAND	Legris
WEIGHT	0.43 kg
FOR FLUID TYPE	Inert Gases
APPLICATION	Pneumatics
MAXIMUM OPERATING TEMPERATURE	180 °C
FOR FLUID TYPE	Oil
FOR FLUID TYPE	Air
ACTUATION TYPE	Manual
MINIMUM OPERATING TEMPERATURE	-4 °F
NUMBER OF PORTS	n/a