

Parker Product Datasheet



Parker's Colorflow N series hydraulic flow control, in-line needle valves meters flow in both directions or provides a reliable shut off. This needle valve flow control is used in air and oil applications and has standard and fine metering options.

PART NUMBER: 9N1600S
MAXIMUM OPERATING TEMPERATURE: +205°F
MAXIMUM OPERATING PRESSURE: 3000
MINIMUM OPERATING TEMPERATURE: -40.0
CONNECTION TYPE: BSPP
CONNECTION SIZE: 1
BODY MATERIAL: Steel
SEAL MATERIAL: Nitrile
MAXIMUM FLOW RATE: 40
ACTUATION TYPE: Manual
KNOB OPTION: Standard Knob
NEEDLE OPTION: Standard

PRODUCT OVERVIEW

Parker's N series valve is a two-step needle that allows fine adjustment at low flow by using the first three turns of the adjusting knob. The next three turns open the valve to full flow and provides standard throttling adjustments.

Markets:

- Factory Automation
- Machine Tools
- Marine
- Material Handling
- Mining

- Miscellaneous Industrial
- Miscellaneous Manufacturing
- Molding
- Oil & Gas
- Power Generation
- Vehicle Assembly Facilities

Features/Benefits:

- Tamperproof option available
- Set screw locks the valve on a desired setting
- Port sizes available in 8 sizes from 1/8" to 1 1/4"
- Material offerings are brass, steel and stainless steel
- Port options include ISO 6149, NPT, BSPP, BSPT and SAE
- The exclusive "Colorflow" color-band provides an accurate visual indication of setting

Applications:

- Suitable for general hydraulic applications

TECH SPECIFICATIONS

MAXIMUM OPERATING TEMPERATURE	250 °F
MAXIMUM OPERATING TEMPERATURE	121 °C
DIVISION	Hydraulic Valve Systems Division
MAXIMUM OPERATING PRESSURE	3000 psi
MINIMUM OPERATING TEMPERATURE	-40 °F
MINIMUM OPERATING TEMPERATURE	-40 °F
CONNECTION TYPE	BSPP
MEDIA	Oil
BRAND	Colorflow
PRODUCT STYLE	Needle Valve

BODY MATERIAL	Steel
SEAL MATERIAL	Nitrile
MAXIMUM FLOW RATE	40 gal/min
MAXIMUM FLOW RATE	151 L/min
MOUNTING TYPE	Inline
ACTUATION TYPE	Manual