

Parker Product Datasheet



Parker's Colorflow MV series valves is a high precision adjust needle valve that meters flow in both directions.

PART NUMBER: 9MV461S
MINIMUM OPERATING TEMPERATURE: -40
MAXIMUM OPERATING PRESSURE: N/A
NEEDLE TYPE: Standard; 30° Taper
SEAL MATERIAL: Nitrile
CONNECTION TYPE: BSPP
FUNCTION: Metering Valve
ACTUATION TYPE: Manual
BODY MATERIAL: Steel
FLOW RATE: N/A
MAXIMUM OPERATING TEMPERATURE: N/A
CONNECTION SIZE: 1/4
MOUNTING STYLE: Right Angle
MAXIMUM FLOW RATE: 5

PRODUCT OVERVIEW

Parker's Colorflow MV series valves allow extremely close control of fluids used in actuating and governing equipment. The needle 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 adjustment.

Markets:

- Factory Automation
- Machine Tools
- Marine

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

Features/Benefits:

- Port options include NPT and SAE
- Material offerings are brass and steel
- Available in an in-line or right angle style
- Port sizes are available in 7 sizes from 1/8" to 1"
- MVK mounting kits make panel mounting simple
- High efficiency o-ring stem seal eliminates packing
- Fine and micro-fine needles available for extremely fine control
- The exclusive "Colorflow" color-band provide an accurate visual indication of setting

Applications:

- Suitable for general hydraulic applications

TECH SPECIFICATIONS

MINIMUM OPERATING TEMPERATURE	-40° °F
MAXIMUM OPERATING PRESSURE	413 bar
MAXIMUM OPERATING TEMPERATURE	250 °F
MAXIMUM FLOW RATE	19 L/min
MAXIMUM OPERATING TEMPERATURE	-40 °C
DIVISION	Hydraulic Valve Systems Division
FLOW RATE	n/a
SEAL MATERIAL	Nitrile

FUNCTION	Metering Valve
MAXIMUM FLOW RATE	5 gal/min
MINIMUM OPERATING TEMPERATURE	121 °C
CONNECTION TYPE	BSPP
ACTUATION TYPE	Manual
BODY MATERIAL	Steel
MEDIA	Oil
CONNECTION SIZE	1/4 inch
BRAND	Colorflow
CONFIGURATION	Inline
NEEDLE TYPE	30° Taper
MOUNTING STYLE	Inline
NEEDLE TYPE	Standard
MAXIMUM OPERATING PRESSURE	6000 psi