

Parker Product Datasheet



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

PART NUMBER: 9MV1600S
MINIMUM OPERATING TEMPERATURE: -40
CONNECTION TYPE: BSPP
BODY MATERIAL: Steel
MAXIMUM OPERATING TEMPERATURE: N/A
FLOW RATE: N/A
ACTUATION TYPE: Manual
MAXIMUM FLOW RATE: 40
FUNCTION: Metering Valve
CONNECTION SIZE: 1
SEAL MATERIAL: Nitrile
NEEDLE TYPE: Standard; 30° Taper
MAXIMUM OPERATING PRESSURE: N/A
MOUNTING STYLE: Inline

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

MAXIMUM FLOW RATE	151 L/min
ACTUATION TYPE	Manual
FLOW RATE	n/a
BODY MATERIAL	Steel
FUNCTION	Metering Valve
MAXIMUM FLOW RATE	40 gal/min
MINIMUM OPERATING TEMPERATURE	-40° °F
DIVISION	Hydraulic Valve Systems Division
MAXIMUM OPERATING TEMPERATURE	250 °F

MAXIMUM OPERATING PRESSURE	3000 psi
NEEDLE TYPE	30° Taper
SEAL MATERIAL	Nitrile
CONNECTION SIZE	1
CONNECTION TYPE	BSPP
MAXIMUM OPERATING PRESSURE	207 bar
MOUNTING STYLE	Inline
MAXIMUM OPERATING TEMPERATURE	-40 °C
CONFIGURATION	Inline
NEEDLE TYPE	Standard
MINIMUM OPERATING TEMPERATURE	121 °C
MEDIA	Oil
BRAND	Colorflow