

Parker Product Datasheet



Parker's Colorflow MVI series is a cartridge-type metering valve that meters flow in both directions.

PART NUMBER: MVI1200S
MAXIMUM OPERATING TEMPERATURE: +250° F
MAXIMUM OPERATING PRESSURE: 5000
FLOW RATE: N/A
MINIMUM OPERATING TEMPERATURE: -40
FOR FLUID TYPE: Hydraulic Oil
CONNECTION TYPE: NPT
CONNECTION SIZE: 3/4
BODY MATERIAL: Steel
SEAL MATERIAL: Nitrile
MAXIMUM FLOW RATE: 25
FUNCTION: Needle Valve
ACTUATION TYPE: Manual
OPERATION TYPE: N/A
CONFIGURATION: Cartridge Type
NEEDLE OPTION: Standard

PRODUCT OVERVIEW

Parker's MVI cartridge-type needle valves are designed for installation in a precision-machined cavity made in the manifold of the machine and can be used in air, water & oil applications. These valves provide precise metering control and full shutoff of flow. An o-ring and backup ring installed on the cartridge fully isolate the inlet and outlet ports of the machined cavity from each other.

Markets:

- Factory Automation
- Machine Tools
- Marine
- Material Handling
- Mining
- Miscellaneous Industrial
- Miscellaneous Manufacturing
- Molding
- Oil & Gas
- Power Generation
- Vehicle Assembly Facilities

Features/Benefits:

- 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 OPERATING TEMPERATURE	+121 °C
MAXIMUM OPERATING TEMPERATURE	+250 °F
DIVISION	Hydraulic Valve Systems Division
MAXIMUM OPERATING PRESSURE	340 bar
MAXIMUM OPERATING PRESSURE	5000 psi
FLOW RATE	25
MINIMUM OPERATING TEMPERATURE	-40° °C

MINIMUM OPERATING TEMPERATURE	-40° °F
FOR FLUID TYPE	Oil
CONNECTION TYPE	NPT
BRAND	Colorflow
CONNECTION SIZE	3/4'
PRODUCT STYLE	Metering Valve
BODY MATERIAL	Steel
SEAL MATERIAL	Nitrile
MAXIMUM FLOW RATE	25 gal/min
MAXIMUM FLOW RATE	95 L/min
FUNCTION	Needle Valve
ACTUATION TYPE	Manual
CONFIGURATION	Cartridge Type