

Parker Product Datasheet



The Colorflow F series of hydraulic flow control valves permits free flow in one direction and metered flow in the reverse direction. This flow control valve is used in air and oil applications.

PART NUMBER: F400S
MAXIMUM OPERATING TEMPERATURE: +250
MINIMUM OPERATING TEMPERATURE: -40
CONNECTION TYPE: NPT
CONNECTION SIZE: 1/4"
BODY MATERIAL: Steel
SEAL MATERIAL: Nitrile
MAXIMUM FLOW RATE: 5
FUNCTION: Flow Control
ACTUATION TYPE: Manual
CONFIGURATION: InLine
POPPET STYLE: Metal
CRACKING PRESSURE (PSI): 5
MAXIMUM OPERATING PRESSURE (PSI): 5000
KNOB OPTION: Standard
NEEDLE: Standard

PRODUCT OVERVIEW

Parker's F Series in-line flow control valves have either fine or standard metering needles for flow control and a fully guided poppet for free flow in reverse direction. Our superior, fully guided poppet design eliminates wobble and erratic travel that can commonly occur with less durable ball check type construction. The standard soft seat poppet on these check valves provide near

zero leakage and come standard in sizes up to 1/2". Options include oil and air metering valves for hydraulic and pneumatic application.

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 ISO 6149, NPT, BSPP, BSPT and SAE
- Material offerings are brass, steel and stainless steel
- Tamperproof option available
- The exclusive "Colorflow" color-band provide an accurate visual indication of setting

- Set screw locks the valve on a desired 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	5000 psi
FLOW RATE	N/A
MINIMUM OPERATING TEMPERATURE	-40 °C
MINIMUM OPERATING TEMPERATURE	-40 °F
CONNECTION TYPE	Female - Female
MEDIA	Oil
BRAND	Colorflow
CONNECTION SIZE	1/4 inch
BODY MATERIAL	Steel
SEAL MATERIAL	Nitrile
MAXIMUM FLOW RATE	19 L/min
MAXIMUM FLOW RATE	5 gal/min
FUNCTION	Flow Control

ACTUATION TYPE

Manual

CONFIGURATION

Inline