

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:	F800SS
MINIMUM OPERATING TEMPERATURE:	-40
NEEDLE:	Standard
SEAL MATERIAL:	Nitrile
CRACKING PRESSURE (PSI):	5
POPPET STYLE:	Metal
KNOB OPTION:	Standard
MAXIMUM FLOW RATE:	15
CONNECTION SIZE:	1/2
ACTUATION TYPE:	Manual
CONFIGURATION:	InLine
CONNECTION TYPE:	NPT
FUNCTION:	Flow Control
MAXIMUM OPERATING TEMPERATURE:	+250
BODY MATERIAL:	Stainless Steel
MAXIMUM OPERATING PRESSURE (PSI):	5000

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

CONNECTION SIZE	1/2 inch
DIVISION	Hydraulic Valve Systems Division
BODY MATERIAL	Stainless Steel
FLOW RATE	N/A
SEAL MATERIAL	Nitrile
MEDIA	Air, Oil, Water
CONNECTION TYPE	Female - Female
MAXIMUM OPERATING TEMPERATURE	250 °F
MAXIMUM FLOW RATE	57 L/min
MAXIMUM OPERATING PRESSURE	5000 psi
FUNCTION	Flow Control
MINIMUM OPERATING TEMPERATURE	-40 °F
ACTUATION TYPE	Manual
MAXIMUM FLOW RATE	15 gal/min
CONFIGURATION	Inline
BRAND	Colorflow
MAXIMUM OPERATING TEMPERATURE	121 °C

MINIMUM OPERATING
TEMPERATURE

-40 °C