High Pressure Mechanical Flowmeter - Flowline

Part #: FM26332122

The Flowline Series is a range of rugged inline mechanical flowmeters that provide visual indication of fluid flow in hydraulic systems. Capable of measuring flows ranging from 1 - 360 L/PM. Maximum allowable working pressure: 350 bar (5076 psi).

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Technical Specifications

Materials of Construction:	Stainless Steel, Brass
Body Material:	Nickel Plate, Brass
Brand:	Parker
Flow Rate:	5 to 55 l/min
For Fluid Type:	Water
Division:	Hydraulic & Industrial Process Filtration Division EMEA
Industry:	Industrial & Chemical Processing
Housing Material:	Stainless Steel
Technology:	Filtration
Product Type:	Condition Monitor
Product Style:	Flow Meter
Operating Pressure:	5000 psi

Safety Warning

Flow Rate:	5 to 55 L/min
Port Size:	3/4 inch
Port Type:	BSP Parallel Threads
Operating Temperature:	-20 to 90 °C
Sensing Method:	Variable Orifice Flow Meter
Accuracy:	+/- 5% FSD
Specifications Met:	Pressure Directive
Seal Material:	Fluoroelastomer
For Fluid Type:	Water
Height:	58 mm
Length:	190 mm
Width:	58 mm
Diameter:	58 mm

Item Information

The Parker Flowline Series comprises a wide range of inline mechanical flow measurement devices that are designed for high-flow, high [illegible]re applications, including off-road mobile pump performance / industrial oil supply lines. The flowmeters are non-intrusive (i.e. do not obstruct flow)

and are available with either a brass or stainless steel housing, making them suitable for use in harsh environments, where high-pressure and corrosive chemicals can damage conventional measurement devices.

Easiflow flowmeters are highly simplistic and versatile devices that utilize a variable-orfice aperature (i.e. variable area principle). The meters can work in any plane and feature an internal piston, which moves as flow rate increases, opening a larger area to pass flowing air, water or hydraulic oil. The design provides users with a direct visual indication of flow rate and serves as a highly reliable method of measuring flow in high-pressure fluid systems.

As an option, the meters can be equipped with a magnetically-operated reed switch that's capable of controlling valves and/or pumps, or activating alarm signals in the event that flow exceeds or drops below a pre-determined level set by the user.

Multiple Flowline meters are available to meet the unique fluid flow requirements of customers' systems. Flow rates range from 0.2 - 360 L/min (.05 - 95 GPM), with a maximum allowable working pressure of 350 bar (5000 psi). All Flowline devices are calibrated for both oil and water and feature accuracy and repeatability of +-5% full scale defection (FSD) and +-1% FSD, respectively. The meters are relatively insensitive to viscosity changes.

Further information regarding compatibility with corrosive fluids can be provided by a Parker Filtration representative.

Markets:
Oil and Gas / Pharmaceutical / Industrial / Process

Benefits:
•Rugged construction (brass or stainless steel) ensures reliable operation in harsh operating environments.
•Clear outer glass body shroud construction allows users to quickly and easily determine flow rate in a system and/or line.
•Helps protect critical equipment from damage by ensuring that hydraulic fluid levels do not go above or below specified levels.

Features:
•Capable of flows ranging from 0.2 - 360 L/min (.05 - 95 GPM)
•Operating temperature range (brass): -20 to +90°C (-4 to +194°F)
•Operating temperature range (316 stainless steel): -20 to +105°C (-4 to +221°F)
•Maximum allowable working pressure: 350 bar (5000 psi)
•Optional mechanically-operated reed switch
•Viscosity range: 10 to 200 cSt (oil)
•Calibrated for both oil and water

For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor

CAD Drawings + Files +

Related Documents +

Parker Sales Company UK

psc.uk.webform@support.parker.com
+44 (0)1926 317878