

High Pressure Mechanical Flowmeter - Flowline

Part #: FM26432112



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	Port Size:	1 1/4 inch
Brand:	Parker	Port Type:	BSP Parallel Threads
Flow Rate:	20 to 180 l/min	Operating Temperature:	-20 to 105 °C, -4 to 221 °F
For Fluid Type:	Oil	Sensing Method:	Variable Orifice Flow Meter
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Accuracy:	+/- 5% FSD
Housing Material:	Stainless Steel	Specifications Met:	Pressure Directive
Industry:	Industrial Manufacturing Equipment, Industrial & Chemical Processing, Off-Road Machinery	Seal Material:	Fluoroelastomer
Technology:	Filtration	Body Material:	Stainless Steel BS 2056 EN 58J
Product Type:	Condition Monitor	For Fluid Type:	Oil
Product Style:	Flow Meter	Height:	101 mm
Operating Pressure:	5000 psi, 350 bar	Length:	308 mm
Flow Rate:	20 to 180 L/min	Width:	101 mm
		Diameter:	101 mm

[Safety Warning](#)

Item Information



The Parker Flowline Series comprises a wide range of inline mechanical flow measurement devices that are designed for high-flow, high-pressure 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-orifice aperture (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 deflection (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



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