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Low Pressure Mechanical Flowmeters – Loflow Series

Part # LF802412



The Loflow Series comprises a range of inline mechanical flowmeters that provide visual indication of fluid flow in hydraulic systems. Capable of measuring flows ranging from 0.01 – 22 LPM. Maximum allowable working pressure: 10 bar.

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Technical Specifications

Materials of Construction:	PVC, Acetal, ABS 7020	Operating Humidity:	n/a
Brand:	Parker	Sensing Method:	Variable Orifice Flow Meter
Flow Rate:	0.2 to 2 l/min	Accuracy:	+/- 2% typical FSD
For Fluid Type:	Water	Electrical Requirements:	n/a
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Communication Interface:	n/a
Housing Material:	Acetal	Signal Output:	n/a
Industry:	Industrial Manufacturing Equipment, Industrial & Chemical Processing, Off-Road Machinery	Cycle Time:	n/a
Technology:	Filtration	Specifications Met:	Pressure Directive
Product Style:	Flow Meter	ATEX Specifications Met:	n/a
Operating Pressure:	145 psi, 10 bar	Ingress Protection Rating:	n/a
Flow Rate:	0.2 to 2 L/min	Seal Material:	n/a
Port Size:	1/4 to 3/4 inch	Body Material:	Grillon TR55
Product Type:	Condition Monitor	For Fluid Type:	Water
Port Type:	BSPT	Weight:	0.14 kg
Operating Temperature:	60 °C, 140 °F	Height:	39 mm
Maximum Fluid Temperature:	60 °C, 140 °F	Length:	216 mm
Minimum Fluid Temperature:	+5 °C, +40 °F	Width:	40 mm
		Diameter:	n/a

[Safety Warning](#)

Item Information

The Parker Loflow Series comprises a wide range of inline mechanical flow measurement devices that are designed for low-flow, low-pressure applications. The flowmeters are non-intrusive (i.e., do not obstruct flow) and serve as a low-cost solution for visually verifying small

of flow with an accurate reading. Common applications include pharmaceutical manufacturing systems, hospital equipment, water treatment systems,  

Low flowmeters are highly simplistic and versatile devices that utilize the tried and tested principle of variable area flow measurement. The meters work in a vertical plane and feature an internal piston / sphere inside a calibrated tapered bore, 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 low-pressure fluid systems.

Multiple Loflow meters are available to meet the unique fluid flow requirements of customers' systems, with flow rates range from 0.01 – 22 L/min (0.0026 – 5.8 GPM) and a maximum allowable working pressure of 10 bar (145 psi). All LoFlow devices are calibrated for both oil and water and feature accuracy and repeatability of +2% full scale defection (FSD) and +-1% FSD, respectively. The meters are relatively insensitive to viscosity changes.

For information regarding compatibility with corrosive fluids, contact a Parker Filtration representative.

Markets:

- Services:
- Pharmaceutical manufacturing
 - Water and wastewater treatment

Solutions:

Applications:

Where to Buy

- Pharmaceutical manufacturing systems

- Swimming pools
- Hospital equipment
- Filtration systems
- Photography and x-ray equipment

Benefits:

- Clear plastic body 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
- Negligible pressure drop characteristics
- Easy panel mounting assembly and simple to use

Features:

- Capable of flows ranging from 0.01 – 22 L/min (0.0026 – 5.8 GPM)
- Maximum working temperature +60°C (+140°F)
- Maximum allowable working pressure: 10 bar (145 psi)
- Calibrated for both oil and water
- Large-scale definition for precise measurement
- Negligible pressure drop characteristics

CAD Drawings + Files



Related Documents



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