

Low Pressure Mechanical Flowmeter – Easiflow

Part #: EF7731112120



The Easiflow line comprises a range of highly economical, inline mechanical flowmeters that provide visual indication of fluid flow in hydraulic systems. Capable of measuring flows ranging from 1 to 150 L/MIN. Maximum allowable working pressure: 10 bar.

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Technical Specifications

Industry:	Industrial Manufacturing Equipment, Off-Road Machinery, Industrial & Chemical Processing	Sensing Method:	Variable Oriface Flowmeter
Brand:	Parker	Accuracy:	+/- 5% FSD
Flow Rate:	4 to 50 l/min	Electrical Requirements:	n/a
For Fluid Type:	Oil	Communication Interface:	n/a
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Signal Output:	n/a
Switch Type:	No Switch	Cycle Time:	n/a
Technology:	Filtration	Specifications Met:	Pressure Directive
Product Type:	Condition Monitor	ATEX Specifications Met:	n/a
Product Style:	Flow Meter	Ingress Protection Rating:	n/a
Operating Pressure:	145 psi	Materials of Construction:	Borosilicate Glass
Flow Rate:	4 to 50 L/min	Seal Material:	Nitrile
Port Size:	1 inch	Body Material:	Glass Filled Nylon
Port Type:	BSP	For Fluid Type:	Oil
Operating Temperature:	5 to 80 °C	Height:	60 mm
Maximum Fluid Temperature:	+80 °C	Length:	196 mm
Minimum Fluid Temperature:	+5 °C	Width:	60 mm
Operating Humidity:	n/a	Diameter:	60 mm



Item Information

The Parker Easiflow Series comprises a wide range of inline mechanical flow measurement devices that are ideally suited for high-flow, low-pressure applications, including hydraulic fluid return lines and water processing systems. The flowmeters are non-intrusive (i.e., do not obstruct flow) and feature a clear glass body, which allows users to visually determine flow rate in a system and/or line. The meters can also 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.

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 and economical method of measuring flow when compared with many other competing products on the market, including turbines or electronic measurement devices.

Multiple Easiflow models are available to meet the unique fluid flow requirements of customers' systems. Flow rates range from 1 – 150 L/min (.25 - 40 GPM), with a maximum allowable working pressure of 10 bar (145 psi). All Easiflow devices are calibrated for both oil and water and feature accuracy and repeatability of $\pm 5\%$ full scale defection (FSD) and $\pm 1\%$ FSD, respectively.

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

Markets:

- Agriculture
- Construction
- Oil and Gas
- Marine
- Mining
- Forestry
- Industrial

Applications:

- Hydraulic return lines
- Hydraulic test units
- Water processing systems

Benefits:

- Clear glass body 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
- Serves a reliable and economical alternative to high-cost flow measurement devices, such as turbines or electronic flowmeters

Features:

- Capable of flows ranging from 1 - 150 L/min (.25 - 40 GPM)
- Operating temperature range (oil): 5 to +80°C (+41 to +176°F)
- Operating temperature range (water): 5 to +60°C (+41 to +140°F)
- Maximum allowable working pressure: 10 bar (145 psi)
- Optional mechanically-operated reed switch
- Clear glass body construction
- Calibrated for both oil and water

CAD Drawings + Files



Related Documents



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