

Medium Pressure In-Line Filter - 45M Series

Part #: 45M310QBT1KG241



The 45M Series of medium pressure filters offer an ideal solution to the problem of protecting system components at lower pressures. The robust filter housing allows the 45M product to be applied in harsh environments.

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Technical Specifications

Port Connection Type:	G1½	Application:	Industrial Power Units, Mobile Construction Equipment, Forestry Equipment
Temperature Characteristics:	-40 / +100°C	Micron Rating:	10 µm
Indicator Pressure Setting:	2.5	Technology:	Hydraulics, Filtration
Filter Element:	10Q Microglass	Product Type:	Hydraulic Filter
Flow Capacity:	230 l/min	Indicator Type:	Electrical NO/NC
Brand:	Parker	Product Series:	45M Series
Flow Rate:	250 l/min	Options:	Standard
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Seal Material:	Nitrile
Bypass Valve Pressure Rating:	3.5 bar	For Fluid Type:	Hydraulic Oil
Connection Type:	G1½	Height:	450 mm
Industry:	Industrial Manufacturing Equipment, Off-Road Machinery, Power Generation	Operating Pressure:	40 bar
Filter Element Type:	10Q Microglass	Operating Temperature:	Seal Material Nitrile: -40 to +100 °C, Seal Material Fluoroelastomer: -20 to +120 °C
		Mounting Type:	Inline
		Housing Material:	Iron/Steel
		Specifications Met:	Degree of filtration determined by multipass test according to ISO 16889.

[Safety Warning](#)

Item Information

The 45M/45 Eco Series utilizes a cast iron head and steel bowl design and can be specified with Microglass III or Ecoglass III filter media. Filter bowl is designed for rapid element replacement. ECO Series elements reduces waste by over 50% due to the reusable element core.

Features and Benefits

- Cast iron head and steel bowl offering reliable filtration in all conditions including engine rooms and mins
- Check element condition at a glance with visual, electrical or electronic indicators available to suit a wide range of applications
- Test points in the filter head for quick testing and maintenance
- Can be specified with Microglass III or Ecoglass III filter media:

Microglass III:

Reinforced Microglass III replacement elements have a multi-layered design for high capacity and efficiency for great performance and value throughout the life of the element.

EcoGlass III:

Coreless Ecoglass III replacement elements utilized a reusable element core which reduces waste by over 50% lowering replacement and disposal costs. Eco adaptors are available to retrofit coreless design to housings already installed.

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

CAD Drawings + Files



Related Documents



Related Products



Medium Pressure
Inline Hydraulic Oil
Filter – iProtect®
GMF Series



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