

## Medium Pressure In-Line Filter - 45M Series

Part #: 3181703447



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.

[View Series Page](#) [Share / Email](#) [Print](#)

### Technical Specifications

Indicator Type:	No indicator, port plugged	Industry:	Industrial Manufacturing Equipment, Off-Road Machinery, Power Generation
Bypass Valve Pressure Rating:	2.0 bar	Application:	Industrial Power Units, Mobile Construction Equipment, Forestry Equipment
Flow Rate:	200 l/min	Technology:	Hydraulics, Filtration
Seal Material:	Nitrile	Product Type:	Hydraulic Filter
Options:	Standard	Product Series:	45M Series
Filter Element Type:	20Q Microglass	For Fluid Type:	Hydraulic Oil
Indicator Pressure Setting:	No indicator	Operating Pressure:	40 bar
Height:	450 mm	Operating Temperature:	Seal Material Nitrile: -40 to +100 °C, Seal Material Fluoroelastomer: -20 to +120 °C
Connection Type:	G1½	Mounting Type:	Inline
Micron Rating:	20 µm	Housing Material:	Iron/Steel
Brand:	Parker	Specifications Met:	Degree of filtration determined by multipass test according to ISO 16889.
Division:	Hydraulic & Industrial Process Filtration Division EMEA		

[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. The ECO Series element core is designed for rapid element replacement. ECO Series elements reduce 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



Parker Sales Company UK

[psc.uk.webform@support.parker.com](mailto:psc.uk.webform@support.parker.com)  
[+44 \(0\)1926 317878](tel:+44(0)1926317878)

+ Company Information

+ Global Operations

+ Help & Support

+ Follow Us :

© PARKER HANNIFIN CORP 2024

ENGINEERING YOUR SUCCESS.

[SITE MAP](#) [SAFETY](#) [PRIVACY POLICIES](#) [TERMS AND CONDITIONS](#)



