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# Medium Pressure In-Line Filter - 45M Series

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Part #: 45M210QBT1KG201

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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

|                               |  |                        |  |
|-------------------------------|--|------------------------|--|
| Flow Capacity:                | 200 l/min  | Application:           | Industrial Power Units, Mobile Construction Equipment, Forestry Equipment            |
| Temperature Characteristics:  | -40 / +100°C   | Micron Rating:         | 10 µm  |
| Port Connection Type:         | G1¼  | Technology:            | Hydraulics, Filtration   |
| Indicator Pressure Setting:   | 2.5  | Product Type:          | Hydraulic Filter   |
| Filter Element:               | 10Q Microglass   | Indicator Type:        | Electrical NO/NC   |
| Flow Rate:                    | 200 l/min  | Product Series:        | 45M Series   |
| Brand:                        | Parker   | 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:              | G1¼  | Height:                | 330 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

Coreless design with Microglass III or Ecoglass III filter media:



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.

**Products**  
**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.

**Industries:**

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

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Medium Pressure  
Inline Hydraulic Oil  
Filter - iProtect®  
GMF Series



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