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The Parker EPF Series is a highly compact, eco-friendly inline hydraulic oil filter that features a re-usable element core. Capable of flows up to 700 L/min (185 GPM). Maximum allowable operating pressure 450 bar (6,500 psi).

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## Technical Specifications

Flow Capacity (l/min):	0 to 700	Application:	Deck and mobile cranes, Forwarders, Hydraulic presses, Marine steering units, Power packs, Excavators, Harvesters, Reach stackers, Wheeled loaders, Drilling equipment, Industrial power units, Wind turbines
Bypass Valve (bar):	3.5	Micron Rating:	20 µm
Port Connection Type:	No filter head	Technology:	Filtration, Hydraulics
Filter Element:	20QI (Microglass)	Product Type:	Hydraulic Oil Filters
Mounting Type:	Manifold integrated	Indicator Type:	No indicator
Indicator	No indicator	Product Series:	iProtect® EPF
Pressure Setting:	No indicator	Seal Material:	Nitrile
Brand:	Parker	For Fluid Type:	Hydraulic Oil
Flow Rate:	0 to 700 l/min	Options:	Bowl + Element kit, incl. Bypass
Division:	Hydraulic & Industrial Process Filtration Division EMEA	Materials of Construction:	Housing: Iron/Steel
Bypass Valve	3.5 bar	Specifications Met:	Degree of filtration determined by multipass test according to ISO 16889.
Pressure Rating:	3.5 bar	Product Style:	Inline Filter
Connection Type:	No filter head	Operating Pressure:	450 bar, 6500 psi
Industry:	Agriculture, Construction, Oil and Gas, Marine, Mining, Material Handling	Operating Temperature:	-40 to +100 °C
Filter Element Type:	20QI (Microglass)		

[Safety Warning](#)

## Item Information

The Parker EPF Series is a high pressure, inline hydraulic oil filter that provides high-efficiency filtration for equipment in demanding environments, including mining, construction, marine, drilling, and agricultural applications. A unique feature of the EPF Series is that the filter element remains inside the filter bowl when performing a change-out. This can save over 500 mm of space envelope in comparison with traditional high pressure filters on the market. The filter element core is also reusable, which reduces waste by up to 50% when compared to conventional filters with non-reusable elements.

EPF Series filters serve as a highly economical filtration solution in high pressure range applications (up to 450 bar), where compact envelopes and unique pressure ratings are critical. Specific examples include (but are not limited to) mobile working hydraulics, wind turbines drive systems, pilot line filtration systems, servo controls, industrial working hydraulics, control systems, and reverse flow valve applications.

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## Features and Benefits:

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## Where to Buy

- Compact filter design can save over 500 mm of space envelope when compared to traditional inline hydraulic filters
  - Reusable element core with patented filtration technology reduces waste by up to 50% when compared to conventional filters with non-reusable elements
  - A "clever" design minimizes the likelihood of installation mistakes
  - Can be equipped with an optional reverse flow. This valve assembly is integrated in the element end cap and isolates the filter medium during reverse flow conditions.
  - Protected aftermarket to guarantee the use of genuine products to protect equipment/machinery.
  - Provides OEM branding (labelling) opportunities
  - High efficiency Quantumfiber™ glass media increases particle capture and dirt holding capacity.
- For more information or a detailed discussion about your specific requirements please contact Parker or an authorised Parker distributor.

## CAD Drawings + Files



## Related Documents



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Parker Certified  
Accumulator Service  
Centers

High Pressure  
Hydraulic Oil Filter  
Replacement  
Elements – iProtect®  
EPF Series

Hydraulic Reservoir  
Breather / Air Filter -  
EAB Series

Medium Pressure  
Inline Hydraulic Oil  
Filter – iProtect®  
GMF Series



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