Home

Products

Support

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

Part #: 944759Q

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Parker EPF Series Replacement Elements are designed for use with EPF Series High Pressure Inline Hydraulic Oil Filters. Multiple filtration media options available down to 2 microns. Maximum allowable flow 700 L/min (185 GPM).

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Technical Specifications ▬

Length:	1	Filter Housing Series:	EPF1
Micron Rating:	10 µm	Seal Material:	Fluoroelastomer
Filter Element:	10QIH High Strength Microglass		

⚠ Safety Warning

Item Information ▬

EPF Series Replacement Elements are designed for high pressure inline hydraulic oil filtration. Available in single or double length configurations, with ratings down to 2 microns, the elements help protect critical engine components, such as valves, bearings, cylinders and pumps from contaminant ingress, which can lead to increased machine wear, shorter maintenance intervals, increased downtime, and higher costs. The elements are suitable for use in systems exposed to highly demanding environments, including those seen in construction, oil and gas, agriculture, and mining operations.
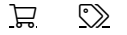
EPF Series Replacement Elements feature a patented eco-friendly design that allows for integration of the bypass valve and element core as reusable parts in the filter bowl. This results in reduced waste (by up to 50%) and lower disposal costs.The EPF Series is ideal for incorporating filters into manifold systems where no additional drillings are required for bypass valve installations.

Various options for filtration media are available depending on the unique requirements of customers' systems, including microglass (QI), high-strength microglass (QIH), and microglass – reverse flow (QIR). Multiple filter housing sizes are also available depending on nominal flow and connection type.

EPF Series Filter Replacement Elements are compatible with a wide range of hydraulic fluids including:
• Hydraulic mineral oils H to class HLPD (DIN51524)
• Operating fluids DIN ISO 2943
• Lubrication fluids ISO6743, APJ, DIN 51517, ACEA, ASTM
• Vegetable oils
• 60/40 Water glycols
• On request - Industrial grade phosphate esters
• Non-aggressive synthetic oils

• Non-aggressive bio-degradable oils (HETG, HEPG and HEES to VDMA 24568)

For more information on selecting the proper EPF Series replacement element, visit the EPF Series brochure in the "Product Support" tab.

Markets:
• Agriculture
• Construction
• Oil and Gas
• Marine
• Mining
• Material Handling

Applications:
• Deck and mobile cranes
• Drilling equipment
• Forwarders
• Baler presses
• Marine steering units
• Power packs
• Excavators
• Harvesters
• Waste balers
• Reach stackers
• Wheeled loaders
• Drilling equipment
• Industrial power units
• Wind turbines

Benefits:
• Prevents contamination and ingress of dirt, sand, dust, metal, etc. into hydraulic circuits
• Lengthens time in between required maintenance intervals, reduces operating costs, and extends overall equipment/machine operational life
• Patented eco-friendly design allows for integration of the bypass valve and element core as reusable parts in the filter bowl. This results in reduced waste (by up to 50%) and lower disposal costs.
• Filter element remains inside the filter bowl during change-out, saving over 500 mm of space envelope when compared with traditional high pressure filters.

Features:
• Capable of flows up to 700 L/min (185 GPM)
• Maximum allowable operating pressure: 6,500 psi (450 bar)
• Double or single length configurations available
• Various media filtration types available including microglass, high-strength microglass or microglass – reverse flow

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