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# Tank Top Return Line Hydraulic Filter Replacement Elements – iProtect® GLF Series

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Part #: 944845Q



Parker GLF Series Replacement Elements are designed for use with GLF Series Tank Top Return Line Hydraulic Filters. The elements combine high efficiency filtration with low cost installation and are available with ratings ranging from 2 - 20 microns.

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## Technical Specifications

Length:	Length 1	
Division:	Hydraulic and Industrial Process Filtration EMEA	
Brand:	Parker	
For Use With:	GLF size 3	
Technology:	Filtration	
Bypass Valve Pressure Rating:	3.5 bar	
Seal Material:	Nitrile	
Product Type:	Hydraulic Oil Filter	
Filter Type:	Tanktop Return Line	
Micron Rating:	20 µm	
Product Series:	iProtect® GLF Series Replacement Elements	
Industry:	<ul style="list-style-type: none"><li>• Agriculture</li><li>• Construction</li><li>• Oil and Gas</li><li>• Marine</li><li>• Mining</li><li>• Forestry</li><li>• Power</li></ul>	
		<ul style="list-style-type: none"><li>• Deck and mobile cranes</li><li>• Firefighting equipment</li><li>• Forwarders</li><li>• Hydraulic presses</li><li>• Marine steering units</li><li>• Power packs</li><li>• Waste management, dump and fork lift trucks</li><li>• Excavators</li><li>• Harvesters</li><li>• Waste balers</li><li>• Dump trucks &amp; drilling machines for mining</li></ul>
		Application:
		For Fluid Type:
		Operating Pressure:
		Operating Temperature:
		Flow Rate:
		Filter Element Type:
		Specifications Met:
		Hydraulic Oil
		10 bar
		150 psi
		-40 to +212°F
		-40 to +100°C
		0 to 1700 L/min
		Quantumfiber™
		Degree of filtration determined by multipass test according to ISO 16889.

[Safety Warning](#)

## Item Information

Parker GLF Series Low Pressure Return Line Hydraulic Filters combine high efficiency microglass filtration with low cost installation in a new patented element design. The filter element assembly is designed for direct mounting and can be easily removed for maintenance, providing customers with both convenience and dependability.

 Parker GLF Series Replacement Elements ensures protection against contaminant ingress in hydraulic circuits, which otherwise can damage critical system components, such as pumps, valves and cylinders, resulting in increased downtime and higher operational costs. The elements are available in single and double lengths and several micron ratings (2, 5, 10, and 20) to meet the individual requirements of customers' applications.

**Products**  
GLF Series Low Pressure Return Line Filters provide an economical alternative for quality tank top-mounted filtration. The filter is ideally suited for use with equipment that is required to operate in harsh environments, including mining, construction, marine, forestry, and agricultural operations. Elements are compatible with a wide range of hydraulic fluids including:

- Industries**  
• Hydraulic mineral oils H to class HLPD (DIN51524)  
• Operating fluids DIN ISO 2943
- Solutions**  
• Filtration fluids ISO6743, APJ, DIN 51517, ACEA, ASTM  
• Vegetable oils

- Solutions**  
• Water glycols  
• On request - Industrial grade phosphate esters  
• High viscosity synthetic oils
- Where to Buy**  
• Non-aggressive bio-degradable oils (HETG, HEPG and HFES to VDMA 24568)

**Benefits:**

- Prevents contamination and ingress of dirt, sand, dust, metal, etc. into hydraulic system.
- Reduces component failures in between service intervals, increasing machine availability and reducing the cost of ownership over the life of your machine.
- Lengthens time in between required maintenance intervals, reduces operating costs, and extends overall equipment/machine operational life.
- Microglass media maximizes filtration capacity and element life, while maintaining low pressure drop, even under cold start conditions.
- Element assembly is designed for direct mounting and easy removal for maintenance, providing customers with both convenience and dependability.

**Features:**

- High efficiency Quantumfiber™ media increases particle capture and dirt holding capacity.
- Flow rate up to 3200 L/min (845 GPM).
- Pressure rating – up to 10.3 bar (150 psi) static.
- Single or double length configurations available.
- OEM lock available for use with genuine filter products.
- Several ratings available, including 2, 5, 10, and 20 micron.
- Customer branding possible.

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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