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

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Part # **GLF3105QIBP2GG20MF**



The Parker GLF Series is a tank top return line hydraulic oil filter designed for high flow and long life between element change-outs. Maximum allowable flow 1700 L/min (374 GPM). Maximum allowable operating pressure 10.3 bar (150 psi) static.

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## Technical Specifications

<b>Filter Element Type:</b>	05QI (Quantumfiber™)	<b>Operating Pressure:</b>	10 bar, 150 psi
<b>Options:</b>	Magnet Column & Funnel	<b>Operating Temperature:</b>	-40 to 110 °C, -40 to 230 °F
<b>Connection Type:</b>	G1-1/4 thread - Single Port	<b>Mounting Type:</b>	Tank Mounted
<b>Flow Rate:</b>	0 to 285 l/min	<b>Specifications Met:</b>	Degree of filtration determined by multipass test according to ISO 16889.
<b>Brand:</b>	Parker	<b>Housing Material:</b>	Aluminium
<b>Division:</b>	Hydraulic & Industrial Process Filtration Division EMEA	<b>Bypass Valve Pressure Rating:</b>	1.7 bar, 24.6 psi
<b>Industry:</b>	Industrial Manufacturing Equipment, Materials Handling, Marine, Oil & Gas, Forestry, Construction, Mining	<b>Micron Rating:</b>	5 MICRON
<b>Application:</b>	Municipal Service Equipment, Dump and Fork Lift trucks, Deck and Mobile Cranes, Hydraulic Power Units, Waste Management, Drilling Equipment, Hydraulic Presses, Wheeled Loaders, Reach Stackers, Waste Balers, Forwarders, Excavators, Harvesters	<b>Indicator Type:</b>	None / Both Indicator Ports Plugged
<b>Technology:</b>	Filtration, Hydraulics	<b>Seal Material:</b>	Nitrile
<b>Product Type:</b>	Hydraulic Oil Filter	<b>Length:</b>	186 mm
<b>Product Series:</b>	GLF iProtect Series	<b>Height:</b>	338 mm
<b>For Fluid Type:</b>	Hydraulic Oil	<b>Width:</b>	186 mm

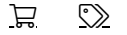
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## Item Information

The Parker GLF Series Low Pressure Tank Top Return Line Hydraulic Oil Filter delivers efficient contamination control for hydraulic circuits required to operate in highly demanding environments. The filter is ideally suited for applications where high system reliability and minimal downtime are critical, including heavy equipment and machinery used in mining, construction, marine, forestry, material handling and agricultural operations.

The GLF Series features an innovative design that provides maximum filtration capacity and extended element life, while maintaining low pressure drop, even in cold start conditions. High-efficiency Quantumfiber™ glass media is available in ratings 2, 5, 10, and 20 micron. Optional magnetic prefiltration is available for added protection in environments where ferrous contaminants are present while the bypass is opened. Magnetic

filtration extends life by preventing ferrous materials from settling on the filter media.



The GLF Series Return Line Filter's unique inside-to-outside flow path minimizes contaminant exposure to the reservoir during element change-out.

Other notable features include pressure gauge and switch ports for visual or electrical switch monitoring, which makes it easy for operators to determine when the element needs to be serviced. Additionally, the filter features a versatile two-port design for enhanced installation flexibility.

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**Products**

Standard available port connection range:

**Support**

• Single G12 up to G24

• Dual G24

**Industries**

• Single R24 up to R48

• Dual R24 up to R48

**Services**

The GLF Series Return Line Hydraulic Oil Filter is designed for use with patented GLF Series Replacement Elements.

**Solutions**

**Benefits:**

**Where to Buy**

~~• 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.
- Maximizes filtration capacity and element life, while maintaining low pressure drop, even under cold start conditions.
- Versatile two-port design provides enhanced installation flexibility, resulting in lower installed cost.
- 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.

**CAD Drawings + Files**



**Related Documents**



**Related Products**



Parker Certified  
Accumulator Service  
Centers



**Parker Sales Company UK**

[psc.uk.webform@support.parker.com](mailto:psc.uk.webform@support.parker.com)  
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+ Company Information

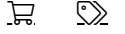
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