

Parker Product Datasheet



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.

PART NUMBER: 944851Q
LENGTH: Length 2
SEAL MATERIAL: Nitrile
MICRON RATING: 10 μm
BYPASS VALVE PRESSURE RATING: 3.5 bar
FOR USE WITH: GLF size 1

PRODUCT OVERVIEW

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.

Using genuine 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.

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:

- 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)

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.

TECH SPECIFICATIONS

DIVISION

Hydraulic & Industrial Process Filtration Division EMEA

DIVISION	Hydraulic & Industrial Process Filtration Division EMEA
FLOW RATE	0 to 1700 L/min
FOR FLUID TYPE	Hydraulic Oil
INDUSTRY	• Agriculture • Construction • Oil and Gas • Marine • Mining • Forestry • Power
SPECIFICATIONS MET	Degree of filtration determined by multipass test according to ISO 16889. • Deck and mobile cranes • Firefighting equipment • Forwarders • Hydraulic presses • Marine steering units • Power packs • Waste management, dump and fork lift trucks • Excavators
APPLICATION	Harvesters • Waste b
BRAND	Parker
TECHNOLOGY	Filtration
PRODUCT SERIES	iProtect® GLF Series Replacement Elements
PRODUCT TYPE	Hydraulic Oil Filter
OPERATING PRESSURE	150 psi
OPERATING PRESSURE	10 bar
OPERATING TEMPERATURE	-40 to 212 °F
OPERATING TEMPERATURE	-40 to 100 °C
FILTER ELEMENT TYPE	Quantumfiber™
FILTER TYPE	Tanktop Return Line