

Parker Product Datasheet



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.

PART NUMBER: GLF4210QIBP2GR40MF
FLOW RATE: 0 to 900 l/min
CONNECTION TYPE: SAE 2-1/2"-3000M - Single Port
FILTER ELEMENT TYPE: 10QI (Quantumfiber™)
OPTIONS: Magnet Column & Funnel

PRODUCT OVERVIEW

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 prefiltration also 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.

Standard available port connection range:

- Single G12 up to G24
- Dual G24
- Single R24 up to R48
- Dual R24 up to R48

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

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.
- 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.

TECH SPECIFICATIONS

DIVISION

Hydraulic & Industrial Process Filtration Division EMEA

DIVISION	Hydraulic & Industrial Process Filtration Division EMEA
FOR FLUID TYPE	Hydraulic Oil
INDUSTRY	Materials Handling
INDUSTRY	Oil & Gas
INDUSTRY	Marine
INDUSTRY	Industrial Manufacturing Equipment
INDUSTRY	Mining
INDUSTRY	Construction
INDUSTRY	Forestry
SPECIFICATIONS MET	Degree of filtration determined by multipass test according to ISO 16889.
APPLICATION	Wheeled Loaders
APPLICATION	Forwarders
APPLICATION	Harvesters
APPLICATION	Dump and Fork Lift trucks
APPLICATION	Hydraulic Power Units
APPLICATION	Deck and Mobile Cranes
APPLICATION	Waste Management
APPLICATION	Drilling Equipment
APPLICATION	Municipal Service Equipment
APPLICATION	Excavators
APPLICATION	Hydraulic Presses
APPLICATION	Reach Stackers
APPLICATION	Waste Balers
BRAND	Parker
TECHNOLOGY	Hydraulics
TECHNOLOGY	Filtration

LENGTH	225 mm
PRODUCT SERIES	GLF iProtect Series
PRODUCT TYPE	Hydraulic Oil Filter
WIDTH	225 mm
OPERATING PRESSURE	10 bar
OPERATING PRESSURE	150 psi
HEIGHT	600 mm
OPERATING TEMPERATURE	-40 to 230 °F
OPERATING TEMPERATURE	-40 to 110 °C
MOUNTING TYPE	Tank Mounted
MICRON RATING	10 micron
HOUSING MATERIAL	Aluminium
INDICATOR TYPE	None / Both Indicator Ports Plugged
BYPASS VALVE PRESSURE RATING	24.6 psi
BYPASS VALVE PRESSURE RATING	1.7 bar