Parker Product Datasheet

Parker GMF Series replacement elements are designed for use with GMF Series medium pressure inline hydraulic oil filters. Available in several micron ratings (2, 5, 10, and 20). Maximum allowable flow 600 L/min (158 GPM).

PART NUMBER: 938918Q
LENGTH: 2
SEAL MATERIAL: Fluoroelastomer
MICRON RATING: 20 µm
FILTER HOUSING SERIES: GMF4
FILTER ELEMENT: 20QI Quantumfiber™

PRODUCT OVERVIEW

GMF Series Replacement Elements provide reliable and cost-effective inline hydraulic filtration in a compact package. Available in single or double length configurations, with ratings ranging from 2 to 20 microns, the elements offer efficient protection against contaminant ingress in hydraulic systems, which can lead to increased machine wear, shorter maintenance intervals, and costly downtime. The elements are ideally suited for use in heavy equipment exposed to harsh environments, including deck and mobile cranes, hydraulic presses, excavators, harvesters, drilling equipment, forwarders, and marine steering units.

Unique to the GMF Series Replacement Elements is 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. Additionally, the GMF Series features a special locking system, which ensures that the element remains in bowl during servicing, resulting in a highly compact filter solution with very low bowl/element clearance Glass fiber media ensures maximum filter efficiency over an extended lifetime. Multiple filter

housing sizes are available depending on nominal flow and connection type. The 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 GMF Series replacement element, visit the GMF Series brochure in the “Product Support” tab.

Markets:
• Agriculture
• Construction
• Oil and Gas
• Marine
• Mining
• Forestry

Applications:
• Deck and mobile cranes
• Firefighting equipment
• Forwarders
• Hydraulic presses
• Marine steering units
• Power packs
• Waste management, dump and fork lift trucks
• 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 system.

• 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 medium pressure filters.
• Special locking system ensures the element remains in bowl during service, offering a compact filter solution with very low bowl/element clearance.

Features:
• Capable of flows up to 600 L/min (158 GPM).
• Maximum allowable operating pressure: 70 bar (1,015 psi).
• Single or double length configurations available.
• Glass fiber media ensures maximum filter efficiency over an extended lifetime.
• Several micron ratings available, including 2, 5, 10, and 20.

TECH SPECIFICATIONS

DIVISION	Hydraulic & Industrial Process Filtration Division EMEA
SEAL MATERIAL	Fluorelastomer
FILTER ELEMENT TYPE	Coreless Environmental friendly
MAXIMUM PRESSURE DIFFERENTIAL	20 bar (ISO 2941)