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High Pressure Inline Filter WPF Series

Part #: WPF410QEVE2KY201



The new industry standard in high pressure hydraulic filtration incorporating advanced features designed to improve system reliability. Allowable operating pressure of 7000 PSI/483 Bar and capable of flows up to 137 GPM/520 LPM depending on viscosity.

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Technical Specifications

Seal Material:	Fluorocarbon	Bypass Valve Pressure Rating:	50 psi (3.5 bar)
Indicator Type:	Electrical/Visual	Port Type:	1¼ SAE code 62 flange face
Flow Rate:	110 gpm (416 lpm)	Indicator Type:	Electrical/Visual
Port Connection Type:	1¼ SAE code 62 flange face	Indicator Pressure Setting:	40 psi (7.7 bar)
Options:	Bypass	Options:	Bypass
Bypass Valve Pressure Rating:	50 psi (3.5 bar)	Housing Material:	SG Iron head and forged steel bowl
Filter Element Type:	10Q microglass	For Fluid Type:	Mineral, Petroleum and Polyalphaolefin (PAO) based fluids
Mounting Style:	Inline	Maximum Operating Temperature:	250 F (135 C)
Pressure Rating:	7000 psi (483 bar)	Weight:	45 lbs (20.4 kg)
Flow Rate:	110 gpm (416 lpm)	Compatible Element:	941040Q
Filter Element Type:	10Q microglass, Coreless	Product Style:	Hydraulic Filter
Seal Material:	Fluorocarbon	Product Type:	Hydraulic Filter

[Safety Warning](#)

Item Information

Modern high pressure hydraulic systems are demanding. Improved controls and long component life are expected. To deliver the high standards of performance, hydraulic components are built with tighter tolerance and higher system pressures, which increase a system's sensitivity to contamination. Pressure filters are used to safeguard expensive downstream components from contaminants, helping to protect a system from devastating failure.

Parker's World Pressure Filter (WPF) series offers a new concept in High Pressure Fluid Filtration Solutions. Parker engineers have developed an innovative alternative to conventional high pressure and reverse flow filters. The WPF design incorporates all the benefits of Ecoglass media along with a unique reverse flow and bypass valve arrangement. The design offers superior element integrity protection when transient reverse flow spikes are encountered.

Parker pressure filters are a valuable and required component in meeting today's system demands. Parker's WPF series removes ingressed contamination before it flows downstream to sensitive components. They block pump-generated debris before it gets to servo or proportional valves. There is no better high pressure filter available today for durability and performance.

Typical Applications:

- Aircraft Ground Support
- Injection Molding
- Mining
- Mobile Ag
- Mobile Construction
- Oil & Gas Exploration
- Power Generation
- Primary Metals
- Refuse Trucks

Features and Benefits:

- High strength ductile iron filter head with integral indicator port
- Forged steel bowl with standard drain port
- Ecoglass, non-metallic design reduces disposal costs due to minimum mass and oil retention – making it environmentally friendly
- Proprietary SurgeGuard element endcap assembly includes bypass and reverse flow valves for element component performance integrity with improved flow fatigue resistance
- Reliable high performance, quick response design incorporates integrated bypass and reverse flow valve technology
- Patented flexible tangs secure element in bowl for easy, fast, safe, and clean removal
- Coreless element assembly
- Element removal clearance – Benchmarked best-in-class against major competitors
- Re-usable element support core
- Patented valves with low hysteresis and low friction creating optimum performance

CAD Drawings + Files



Related Documents



Related Products



Replacement Elements - High Pressure Filter WPF Series



Premium Hydraulic Fluid - DuraClean™



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