

High Pressure Inline Filter WPF Series

Part #: WPF305QEVE2KS161



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:	SAE-16
Port Connection Type:	SAE-16	Indicator Type:	Electrical/Visual
Options:	Bypass	Indicator Pressure Setting:	40 psi (7.7 bar)
Filter Element Type:	05Q microglass	Options:	Bypass
Bypass Valve Pressure Rating:	50 psi (3.5 bar)	Housing Material:	SG Iron head and forged steel bowl
Flow Rate:	40 gpm (151 lpm)	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:	21 lbs (9.5 kg)
Flow Rate:	40 gpm (151 lpm)	Compatible Element:	941036Q
Filter Element Type:	05Q microglass, Coreless	Product Style:	Hydraulic Filter
Seal Material:	Fluorocarbon	Product Type:	Hydraulic Filter

California Residents: Prop-65 Warning

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 design 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 on Ground Support

• Injection Molding

• **Industries**

• Mobile Ag

• **Where To Buy**

• 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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