

KL3 Return Line Filter

Introduction

The KL3 series top-ported return line hydraulic filter is designed to provide improved serviceability by adopting a thread bowl design. This design allows for easier removal and installation of the filter bowl during element change out. The exclusion of mounting flanges between the head and bowl eliminates the risk of misplacing loose parts while the bowl is removed. Furthermore, the design is ideal for applications with limited clearance above the filter head, in which installation and removal of the flange mounted bowl becomes difficult.

The KL3 series filter takes the most popular K elements in K, KK and 27K length versions. The standardization of the replacement element makes inventory consolidation possible. For high flow applications (up to 120 gpm), the 18LC element can be used to meet the requirement. The cast aluminum head can accommodate a wide variety of Schroeder visual and electrical dirt alarms®. Schroeder test points can be used on both upstream and downstream test ports.



Advantages

- Threaded bowl allows for easier removal and facilitates element changes
- Available with 18LC and K-size elements
- All elements come with 25 micron reusable metal mesh media.
- Available with 1½" and 2" porting
- Offered in pipe, SAE straight thread, ISO 228, and flange porting
- Various Dirt Alarm® options
- Available with NPTF inlet and outlet female test ports
- Available with housing drain plug

Applications

- Industrial
- Automotive Manufacturing
- Machine Tool
- Mining Technology
- Mobile Vehicles

Housing Specifications

Flow Rating: Up to 100 gpm (380 L/min) for 1.5" porting
Up to 120 gpm (455 L/min) for 2" porting

Max. Operating Pressure: 300 psi (20 bar)

Min. Yield Pressure: 1000 psi (70 bar)

Rated Fatigue Pressure: 300 psi (20 bar), per NFPA T2.6.1-2005

Temp. Range: -20°F to 225°F | (-29°C to 107°C)

Bypass Setting: Cracking: 30 psi (2 bar) | Full flow: 68 psi (4.7 bar)

Porting Head: Cast Aluminum

Element Case: Steel

Weight of KL3-18LC: 20.0 lbs. (9.1 kg)

Weight of KL3-1K: 14.8 lbs. (6.7 kg)

Weight of KL3-2K: 18.5 lbs. (8.4 kg)

Weight of KL3-3K: 22.8 lbs. (10.3 kg)

Element Change Clearance: 2.50" (64 mm)

Schroeder
INDUSTRIES

580 West Park Road | Leetsdale, PA 15056
ph. 724.318.1100 | fax 724.318.1200

www.schroederindustries.com