

PF40 Return Line Filter

Introduction

With increasing demands for better control, modern high pressure hydraulic systems require tighter tolerance components which are more sensitive to contamination. The PF40 series high pressure hydraulic filters is designed to meet this challenge by delivering a high performance that will prolong component life. Moreover, it offers superior fatigue resistance by adopting an all steel housing design. With the highest fatigue pressure rating in its class, the PF40 is suitable for mobile applications or any other types of applications where fatigue failures are a concern.

The PF40 series offers both single and double length versions to cover a wide range of flow requirements and non-bypass option with high collapse elements. The machined steel 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

- Top-ported pressure filter
- Available with 18LC and K-size elements
- All steel housing offers unparalleled fatigue rating
- Available with non-bypass option with high collapse element
- Two bowl lengths provide optimal sizing for the application
- Offered in conventional sub-plate, SAE straight thread, and ISO 228 porting
- Same day shipment model available

Specifications

Flow Rating:	Up to 50 gpm (190 L/min) for 150 SUS (32 cST) fluids
Max. Operating Pressure:	4000 psi (275 bar)
Min. Yield Pressure:	12,000 psi (828 bar)
Rated Fatigue Pressure:	2500 psi (173 bar), per NFPA T2.6.1-2005
Temp. Range:	-20°F to 225°F (-29°C to 107°C)
Bypass Setting:	Cracking: 40 psi (2.8 bar) Full flow: 75 psi (5.2 bar)
Porting Head:	Steel
Element Case:	Steel
Weight of PF40-5H:	21.8 lbs. (9.9 kg)
Weight of PF40-9H:	25.5 lbs. (11.6 kg)
Element Change Clearance:	3.25" (83 mm)

Applications

- Automotive manufacturing
- Machine tool
- Mining technology
- Saw mills
- Aircraft ground support equipment
- Asphalt pavers
- Hydraulic fan drivers
- Power steering circuits
- Waste trucks
- Cement trucks
- Servo control protection
- Logging equipment

Schroeder
INDUSTRIES

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

www.schroederindustries.com



An ISO 9001:2008 Certified Company