

PLD | High Pressure Filter

Introduction

The PLD is a 3000 psi, 100 gpm duplex filter housing with an integrated transfer valve to provide continuous operation for critical high pressure machinery, such as turbines and gear boxes. Available in 10 inch or 16 inch Schroeder Z-media® with two portion options: SAE-24 and 1.5 inch SAE 4 bolt code 61 flange. The integrated bypass valve is rated for 102 psid with an indicator trip setting of 79 psid.



Model No. of filter in photo is
PLD10DVZ3VF2440VM

Advantages

- Durable carbon steel construction
- Filter housings are designed to withstand pressure surges as well as high static pressure loads.
- Screw-in bowl allows the filter element to be easily removed for replacement or cleaning
- Standard model supplied with upstream and downstream pressure ports and drain plugs
- Standard Viton® seal on filter housing
- Filter contains an integrated equalization valve
- Pressure is equalized between filters by raising the change-over lever prior to switching it to the relevant filter side

Filter Housing Specifications

Flow Rating:	Up to 100 gpm (380 L/min) for 150 SUS (32 cSt) fluids
Max. Operating Pressure:	3000 psi (205 bar)
Min. Yield Pressure:	Contact Factory
Rated Fatigue Pressure:	3000 psi (205 bar)
Temp. Range:	-22°F to 250°F (-30°C to 121°C)
Bypass Setting:	Standard: 102 psi (7 bar) Full Flow: 43 psi (3.0 bar)
Porting Base:	Steel
Element Case:	Steel
Element Change Clearance:	10DV: 3.5" (89 mm) 16DV: 3.5" (89 mm)

Applications

- Automotive Manufacturing
- Industrial
- Machine Tool
- Marine
- Mining Technology
- Paper Industry
- Power Generation
- Steel Making

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