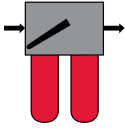


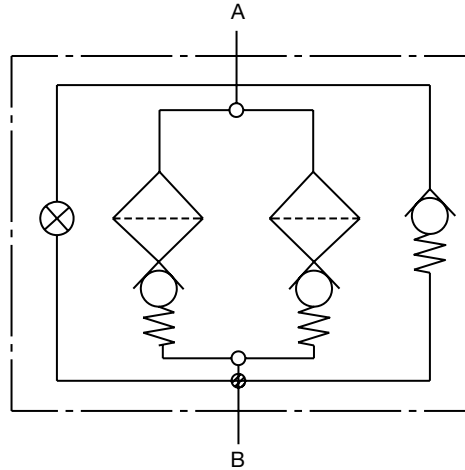
FLND Series

Inline Duplex Filters

360 psi • up to 100 gpm



Hydraulic Symbol



Features

- Lightweight duplex filter constructed of aluminum.
- Aluminum alloy is water tolerant - anodization is not required for high water based fluids (HWBF).
- The filter housings are designed to withstand pressure surges as well as high static pressure loads.
- The screw-in bowl allows the filter element to be easily removed for replacement or cleaning.
- A visual (pop-up), electrical, electrical/visual (lamp), or electronic differential type clogging indicator are possible.
- The standard model is supplied with vent and drain plugs, and also a connection for differential clogging indicator.
- The pressure is equalized between chambers by raising the change-over lever prior to switching it to the relevant filter side. Thus, the filter contains an integrated equalization valve.
- CRN Approval Available. (*Canadian Registration Number*)
- Bypass versions of FLND filters have the bypass valve located in the filter head.
- This filter meets the requirements of DIN 24550 as follows:
 - Filter size 0160 with G 1-1/4" port selection
 - Filter size 0250 with G 1-1/2" port selection
 - Filter size 0400 with SAE-DN 38 1-1/2" Flange

Technical Specifications

Mounting Method	4 mounting holes - filter head	
Port Connection	Inlet / Outlet 1-1/4" Threaded – SAE 20, 1-1/4" BSPP 1-1/2" Threaded – SAE 24, 1-1/2" BSPP 1-1/2" Flange-SAE-DN 38	
Flow Direction	Inlet: Side	Outlet: Opposite Side
Construction Materials	Aluminum	
Flow Capacity	160	42 gpm (160 lpm)
	250	66 gpm (250 lpm)
	400	105 gpm (400 lpm)
Housing Pressure Rating	Max. Operating Pressure	360 psi (25 bar)
	Fatigue Pressure	360 psi (25 bar)
	Burst Pressure	1450 psi (100 bar)
Element Collapse Pressure Rating	BN4HC, W/HC	290 psid (20 bar)
Fluid Temperature Range	14°F to 212°F (-10°C to 100°C) Consult HYDAC for applications below 14°F (-10°C)	
Fluid Compatibility	Compatible with all hydrocarbon based, synthetic, water glycol, oil/water emulsion, and high water based fluids when the appropriate seals are selected.	
Indicator Trip Pressure	$\Delta P = 36$ psid (2.5 bar) -10% $\Delta P = 72$ psid (5 bar) -10% $\Delta P = 116$ psid (8 bar) -10% (<i>non-bypass</i>)	
Bypass Valve Cracking Pressure	$\Delta P = 50.75$ psid (3.5 bar) +10% $\Delta P = 102$ psid (7 bar) +10%	

