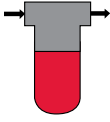


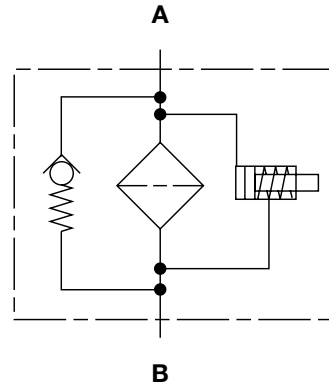
LPF Series

Inline Filters

725 psi • up to 74 gpm



Hydraulic Symbol



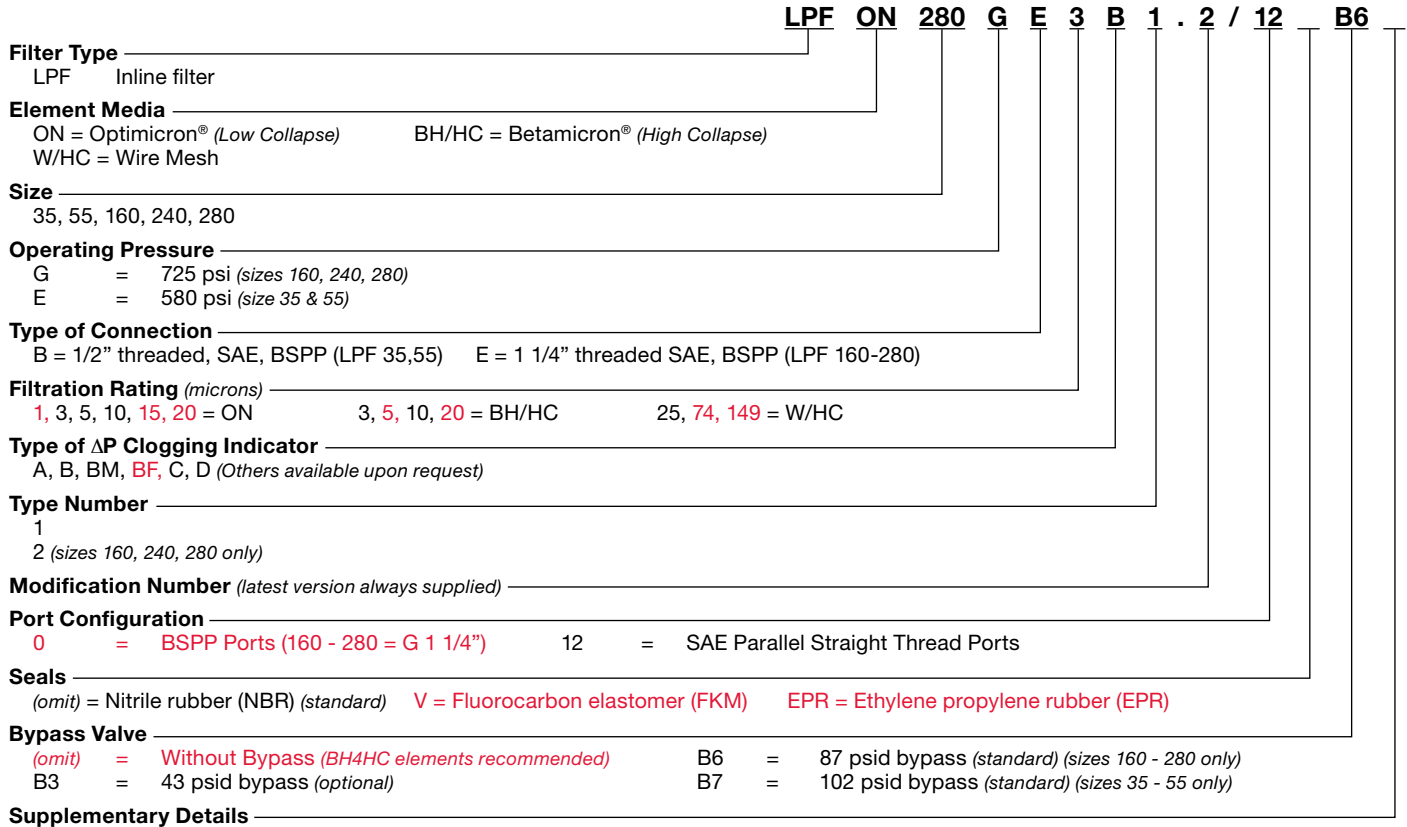
Features

- LPF filters are manufactured with cast aluminum head and aluminum cold formed bowls.
- Aluminum alloy is water tolerant - anodization is not required for water based fluids (HWBF).
- LPF filters are a desirable substitute for spin-on filters when dynamic fluid conditions call for the superior durability and leak-proof quality of a well-constructed cartridge filter.
- Quick-response, bypass valves, located in the filter head, protect against high differential pressures caused by cold start-ups, flow surges and pressure spikes. Filters can also be supplied without bypasses.
- The simple inline design minimizes pressure drop and provides the significant benefit of compactness. The use of lightweight materials, makes these filters ideal for mobile equipment applications.

Technical Specifications

Mounting Method	35 - 55: 3 mounting holes 160 - 280: 2 mounting holes
Port Connection	35 - 55 SAE-8, 1/2" BSPP 160 - 280 SAE-20, 1 1/4" BSPP
Flow Direction	Inlet: Side Outlet: Side
Construction Materials	Head Cast Aluminum Bowl Aluminum Extrusion
Flow Capacity	35 9 gpm (35 lpm) 55 15 gpm (55 lpm) 160 42 gpm (160 lpm) 240 63 gpm (240 lpm) 280 74 gpm (280 lpm)
Housing Pressure Rating	Max. Allowable Working Pressure 35 - 55 580 psi (40 bar) 160 - 280 725 psi (50 bar)* *Note: 580 psi (40 bar) when using BF indicator Fatigue Pressure 35 - 55 580 psi (40 bar) (10 ⁷ cycles) 160 - 280 725 psi (50 bar) (10 ⁶ cycles) 35 - 55 Contact HYDAC Burst Pressure 160 - 280 > 3625 psi (200 bar)
Element Collapse Pressure Rating	BH4HC, V 3045 psid (210 bar) ON, W/HC 290 psid (20 bar)
Fluid Temp. Range	-22°F to 212°F (-30°C to 100°C) Consult HYDAC for applications operating below -22°F (-30°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
ΔP Indicator Trip Pressure	ΔP = 29 psid (2 bar) -10% (optional) ΔP = 36.25 psid (2.5 bar) (BF indicator) ΔP = 72 psid (5 bar) -10% (standard)
Bypass Valve Cracking Pressure	ΔP = 43 psid (3 bar) +10% (optional) ΔP = 87 psid (6 bar) +10% (standard sizes 160 - 660) ΔP = 100 psid (7 bar) +10% (standard sizes 35 / 55)

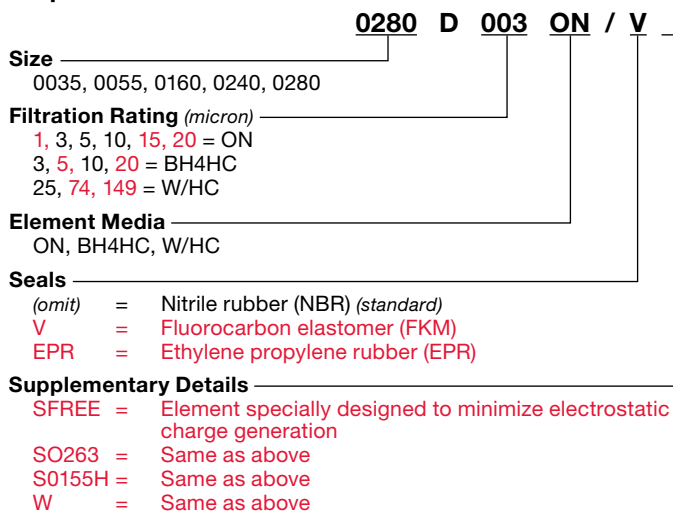
Model Code



Supplementary Details

- L24, L48, L110, L220 = Lamp for D-type clogging indicator (LXX, XX = voltage)
- SO263 = Modification of ON & W/HC (Betamicon® Low Collapse) Elements For Phosphate Ester Fluids
- SO155H = Modification of BH4HC (Betamicon® High Collapse) Element For Phosphate Ester Fluids
- T100 = Thermal Lockout on indicator at 100°F (contact HYDAC for B or BM type indicators)
- W = Modification of "W/HC" and "V" elements for use with oil water emulsions (HFA) and water polymer solutions (HFC)
- BFL = BF Clogging indicator on left looking into inlet.
- BFR = BF Clogging indicator on right looking into inlet.
- SFREE = Element specially designed to minimize electrostatic charge generation
- CRUus = Electrical Indicator with underwriter's recognition

Replacement Element Model Code



Clogging Indicator Model Codes

