



DuraFlo™ HP Series 2000 PSI Single Cartridge

Behringer's DuraFlo™ HP Series Filters are specifically designed with industrial water and glycol applications in mind. Constructed of a cast iron head and seamless carbon steel sump, they are highly an economical solution to many high pressure applications. Behringer's housing design accepts standard process filter elements for added versatility and increased filtration options. Typical applications include chemicals, paints and inks, hydraulic fluids, coolants, glycols, petrochemicals, vegetable oils, and gases. When used in conjunction with Behringer's high efficiency process filter elements, the Duraflo HP Series Filters can be used as stand-alone filtration units, or arranged in manifold filter banks or as duplex units for continuous operation.

Applications

- Lubrication Oils
- Paints / Inks
- Water recovery
- Hydraulic Fluids
- Chemicals
- Glycol
- Glues
- Adhesives
- Fuels
- Petrochemicals

Features and Benefits

- Cast iron head and carbon steel sump accommodate a large variety of industrial applications.
- Standard 1" NPT inlet / outlet connections, 1/4" NPT Drain
- One-Piece bowl construction for quick and easy element replacement.
- Can be mounted in any position
- Accepts industry standard process filter elements with 2.5 in. OD and 1.06 in. ID, in nominal sizes to 30 inches.
- 2-bolt Grooved head-to-sump connection with double lip gasket ensures leak-free operation to 2000 psig
- Standard housing drain allows for removal of fluid for cleaner cartridge change-outs
- Epoxy lining is available for the tubular steel sump for corrosive fluid applications
- Standard brass internals are perfect for water applications. Plated steel internals are available for glycol applications. 316 Stainless steel internals are available for corrosive / critical applications.
- Options include 1/2 or 3/4 NPT drain ports, 1/4" NPT gauge ports in head for connecting pressure gauges or a differential pressure gauge, Viton or EPR seals, and special internal materials or coatings.

Specifications

Recommended Operating Conditions

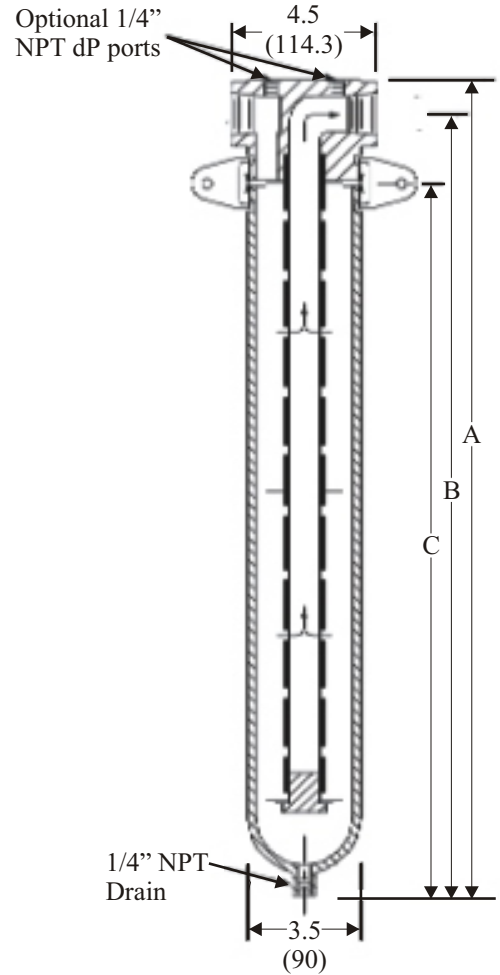
Type:	DuraFlo™ Inline T-Type
Connections:	1 NPTF inlet/outlet, 1/4" NPT Drain
Max Operating Pressure:	2000 psi (138 bar) ¹
Max Operating Temperature:	250° F (122° C) ²
Max Recommended Flow Rate:	
Glycol	15 GPM
Water	24 GPM

Materials of Construction

Head:	Cast Ductile Iron
Sump:	Seamless Carbon Steel
Seal Materials:	Buna-N (standard), Viton, EPR
Internal Components:	
Standard:	Brass
Glycol Apps.:	Plated Steel

Cartridge Specifications

Cartridge OD:	2.50 in. (63.5mm)
Cartridge ID:	1.06 in. (27mm)
Cartridge Ends:	Double Open End
Cartridge Lengths:	
Single	9.75 in. (248 mm)
Double	19.5 in. (495 mm)
Triple	29.25 in. (641 mm)



Dimensional Specifications

Size	A	B	C
1	16 (406.4)	15 (381)	11.5 (292)
2	26 (660.4)	25 (635)	21.5 (546)
3	36 (914.4)	35 (889)	31.5 (800)

1.) Max operating pressure of 2000 psi is at ambient temperature of 70° F (21° C).
 2.) Max operating temperature is dependant on the standard Buna seals. Other seals are available for different operating temperatures. Please consult Behringer for proper application of seal materials.

Table 1 Table 2 Table 3 Table 4 Table 5 Table 6

DHP

Length <small>Table 1</small>	
10	Single
20	Double
30	Triple

Internals <small>Table 2</small>	
B	Brass (standard)
G	Plated Steel
X	316 Stainless SS

Coating <small>Table 3</small>	
N	None
E	Epoxy Lined
O	Other

Seals <small>Table 4</small>	
B	Buna-N
V	Viton
E	EPR

Gauge Ports <small>Table 5</small>	
Omit	None
I	Inlet Side
O	Outlet Side
IO	Both Inlet + Outlet

Drain Port <small>Table 6</small>	
Omit	1/4" NPT (standard)
D4	1/2" NPT
D5	3/4" NPT

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