

Hydrostatic Reverse Flow Filter | HS60

Introduction

In the fluid power industry, Hydrostatic circuits are a critical and often overlooked application for filtration. Reverse flow, pressure spikes and heat degradation often discourage the use of filtration in these circuits because the filter or filter element will not meet the demand of the application. Without filtration, the most critical components of the application are left to be destroyed by contamination they generate as well as contamination that enters through leaking seals and other possible entry points.

For decades, charge filtration has been used to keep fluid in the hydrostatic drive clean, however, this is not completely effective. Contamination can enter the system through the charge filter and is also created by internal component wear. The HS60 has been designed to meet the challenges of inline, hydrostatic applications. Developed with one compact valve that functions as the forward-flow bypass as well as the full, reverse-flow check valve, the HS60 is rated for 100 gpm in both directions. Available with media as fine as 3 micron $\beta_3(c) = 1000$, in synthetic Z-Media™, the HS60 offers unsurpassed filtration for the most critical applications, and should be used for hydrostatic circuits.



HS6013HZ3F24

Features

- Full flow, reverse-flow check valve diverts flow past the element in hydrostatic applications
- Top-ported design capable of handling 100 gpm flow
- Offered in pipe, SAE straight thread, flange and ISO 228 porting
- Thread on bowl with drain plug for easy element service
- *6000 psi cyclic

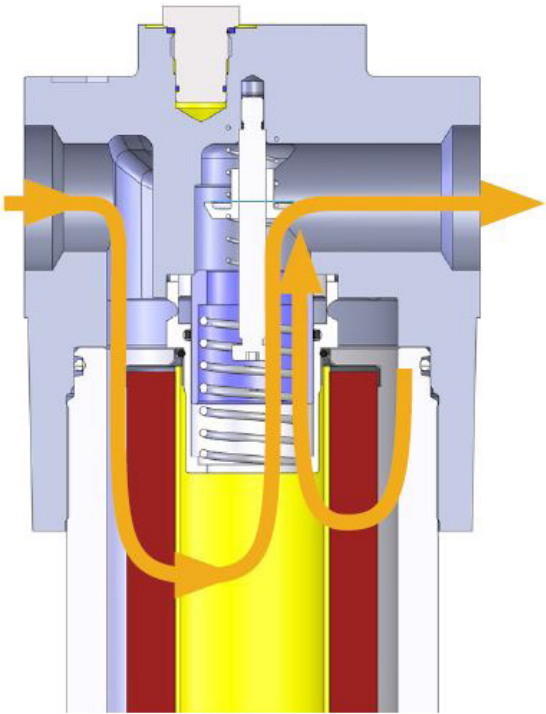
Specifications

Flow Rating:	Up to 100 gpm (380 L/min)
Max. Operating Pressure:	6000 psi (415 bar) *only for Flange ported models
Min. Yield Pressure:	Contact factory
Rated Fatigue Pressure:	6000 psi (415 bar) *only with 4-bolt flange porting
Temp. Range:	-20°F to 225°F (-29°C to 107°C)
Bypass Setting:	Cracking: 87 psi (5.9 bar)
Porting Head:	Ductile Iron
Element Case:	Steel
Weight of HS60-13H:	75 lbs. (34.2 kg)
Element Change Clearance:	4.0" (103 mm)

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Flow Path



Normal Flow