

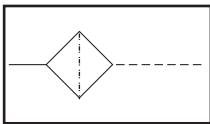
# HIF-Series, Hydraulic Inline Filter



The HIF-Series inline filter is used to protect high-pressure hydraulic systems up to 3,000 PSI. When installed at the pressure side of a pump, the sintered bronze filter element can trap all debris larger than 25um to prevent damage to the valves in the system. The conical shaped sintered bronze element is positioned by a retaining spring to allow true, uninterrupted axial flow while protecting against system crashing by increasing pressure drop across the filter.

The strong yet lightweight anodized aluminum housing can be ordered with special viton O-rings for oil systems where chemical action or heat may be a problem for the standard Buna "N" O-rings. The standard 25um sintered bronze filter element can be easily cleaned or replaced. Filter elements are also available in pore sizes of 10, 40 or 90 um.

Symbol



## HOW TO ORDER

<b>HIF</b>	—	□ □	—	□ □	—	□
<b>Hydraulic Inline Filter</b>	<b>Connection</b>		<b>Element Porosity</b>		<b>O-Ring Type</b>	
	28 = 1/4", 38 = 3/8"		None = 25um		None = Buna "N"	
	48 = 1/2", 68 = 3/4"		10 = 10um		V = Viton	
	SAE#6 = 9/16"-18		40 = 40um			
	SAE#8 = 3/4"-16		90 = 90um			

## SPECIFICATIONS

ITEM	MODEL	HIF-28	HIF-38	HIF-48	HIF-68	HIF-SAE#6	HIF-SAE#8
CONNECTION	NPTM	1/4"	3/8"	1/2"	3/4"	9/16"-18 SAE	3/4"-16 SAE
OVERALL LENGTH	IN.	3-3/16"	3-3/16"	4-15/16"	4-15/16"	3-1/4"	3-1/4"
HEX	IN.	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"
MATERIAL	BODY	ANODIZED ALUMINUM					
	ELEMENT	SINTERED BRONZE (25 um standard, 10, 40 and 90 um available)					
MAX OPERATING PRESSURE		3,000 PSI (210 kg/cm <sup>2</sup> )					
OPERATING TEMPERATURE		Standard Buna "N": 35°~200°F (1.7°~93°C), Optional Viton: 35°~400°F (1.7°~204°C)					
UNIT PACK	EA.	2	2	2	2	2	2

## FLOW CHARACTERISTICS

