Medium Pressure Filter Assemblies

Ideal for mobile equipment return line applications as an alternative to spin-ons, on-board fuel and dispensing and hydrostatic charge circuits.



Filtration starts with the filter.

DFE rated advanced media technologies provide the highest level of particulate capture and retention capabilities so your equipment operates unimpeded by contamination. With media options down to $\beta 3_{[c]} \ge 4000$, + water absorption, you get the perfect element for your application, every time.





HF3 Compatible Design.

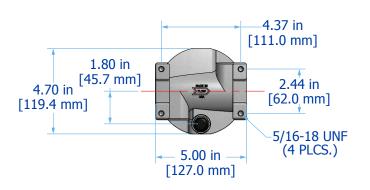
Port to port dimension, mounting pattern, and element design meet HF3 automotive specification. And with standard SAE drain ports, lightweight aluminum bowls, and knurled texture on the bowls provide ease for element servicing, you get all of the convenience you want with the compatibility you need.

Inherently versatile.

Unique internal flow paths providing a low clean pressure drop and element sizes from 4", the MF3 can be used in a variety of applications including Hydrostatic charge circuit for mobile equipment, CAT 5-Star service center, and return line alternative to spin-on assembles.



MF3 Installation Drawing





MF3 Specifications

Dimensions	See Installation Drawings on page 2 for model specific dimensions.									
Operating Temperature	Fluid Temperature 30°F to 225°F (0°C to 105°C)					Ambient Temperature -4°F to 140°F (-20C to 60C)				
Operating Pressure	1200 psi (83 bar) max									
Burst Pressure	3000 psi (206.8 bar) max									
ΔP Indicator Trigger	22 psid (1.52 bard) for 25 psid bypass 45 psid (3.10 bard) for 50 psid bypass and non bypass									
Element Collapse Rating	290 psid (2	0 bard)								
Materials of Construction	Head Bowl Cast aluminum L4/L8: Cast alum			Element Bypas ninum Nylon			ss Valve	Valve Element End Caps Zinc or Tin coated carbon steel		
Media Description	of DFE rate glass medi	ss, our latest g d, high perforn a for all hydrau fluids. βx _[C] ≥ 4	mance ılic &	media con	ass high perf nbined with v crim. βx _[C] ≥ 4	water		steel wire mean $x_{[c]} \ge 2 (\beta x \ge 2)$	sh	
	G8 Dualgla of DFE rate glass medi lubrication To deter Filter Elem	ed, high perform a for all hydrau fluids. $\beta x_{[C]} \ge 4$	mance ulic & 1000 ement elen	G8 Dualgla media con removal so nents, use	nbined with vectors $\beta x_{[c]} \ge 4$ correspond	water 4000	Stainless media βx	$g_{[C]} \ge 2 (\beta x \ge 2)$	part number:	
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^{&#}x27;Max flow rates and ΔP factors assume υ = 150 SUS, 32 cSt. See filter assembly sizing guideline for viscosity conversion formula on page 22 for viscosity change



MF3 Part Number Builder

MF3				-						
Co	onnection [Element Length Bypass	ΔP Indicator		Media	Seal	_			
Connection		1.5" NPT 1.25" SAE	P)	75 g _l 75 g _l 100 g 75 g _l	k Flow Rat om (284 lpm om (284 lpm gpm (379 lpm om (284 lpm gpm (379 lpm	n) ¹ n) ¹ m) ¹				
Element Length	4 8	4" (10 cm) nominal 8" (20 cm) nominal								
Bypass	1 3 X	25 psid (1.7 bard) b 50 psid (3.4 bard) b No bypass								
ΔP Indicat	tor D V X	Visual with electric Visual/Mechanical No indicator (port p		Conne	ection)					
Media Selection	G8 1M 3M 6M 12N 16N 25N	$\beta 17_{[C]}^{[C]} \ge 4000$		G8 [3A 6A 12A 25A	Dualglass + $\beta 5_{[c]} \ge 400$ $\beta 7_{[c]} \ge 400$ $\beta 12_{[c]} \ge 40$ $\beta 22_{[c]} \ge 40$	0 00	noval	Stainless w 25W 25µ n 40W 40µ n 74W 74µ n 149W 149µ n	ominal ominal ominal	
Seals	B V E-W	Nitrile (Buna) Fluorocarbon S ² EPR seals + stainles	s steel suppo	ort me	esh					

¹ Maximum recommended flow rate based on velocity through port and internal flow path. Consult sizing guidelines or consult factory for sizing based on flow rate, viscosity, temperature, filter media selection. 2 Only available with ΔP Indicator option "X" selected.

For all up to date option details and compatibilites, please reference our Contamination Solutions Price List or contact customer service.



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