# 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.

Max Operating Pressure: 1,200 psi (83 bar)



#### 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  $\beta3_{[c]} \ge 4000$ , + water absorption, you get the perfect element for your application, every time.





#### HF3 Compatible Design.

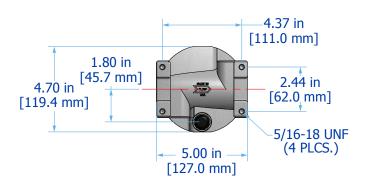
Port to port dimension, mounting pattern, and element design meet HF3 automotive specification. And with standard SAE drain ports, lightweight aluminum bowls, and knurled texture on the bowls provide ease for element servicing, you get all of the convenience you want with the compatibility you need.

#### 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 203 for model specific dimensions.										
Operating Temperature	Fluid Temp 30°F to 225 (0°C to 105°	5°F				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 (20	0 bard)									
Materials of Construction	<b>Head</b> Cast alumir	<b>Bowl</b> 4/L8: Cast alu	ıminum		<b>Element Bypa</b> Nylon	ss Valve	Ive Element End Caps Zinc or Tin coated carbon steel				
Media	<b>M</b> G8 Dualglas	ss, our latest g	generation	<b>A</b> G8 Dualgl		1  0  11 /					
Description	of DFE rate glass media	d, high perfor a for all hydrai fluids. βx <sub>[c]</sub> ≥ 4	ulic &	media coi removal s	mbined witr scrim. βx <sub>[c]</sub> ≥		media βx	$I_{[C]} \ge 2 (\beta x \ge 2)$			
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 $^{1}$ Max flow rates and  $^{\Delta}$ P factors assume  $^{U}$  = 150 SUS, 32 cSt. See filter assembly sizing guideline for viscosity conversion formula on page 22 for viscosity change.



### MF3 Part Number Builder

MF3 Connect	tion El	ement Length By	/pass Δ	- Indicator	Media	Seal			
Connection	G20 N20 N24 S20	1.25" G thre 1.25" NPT 1.5" NPT 1.5" SAE 1.5" SAE	ead (BSPP)	75 g 75 g 100 g 75 g	x Flow Rat pm (284 lpm pm (284 lpm gpm (379 lpr pm (284 lpm gpm (379 lpr	) <sup>1</sup> ) <sup>1</sup> n) <sup>1</sup>			
Element Length	4 8			h filter eleme h filter eleme					
Bypass	1 3 X		bard) bypas bard) bypas						
ΔP Indicator	D V X	Visual/Mech		h (DIN Conne	ection)				
Media Selection	G8 I 1M 3M 6M 12M 16M 25M	$\beta 17_{[C]}^{[C]} \ge 400$	0 0 0	G8 I 3A 6A 12A 25A	Dualglass + $β5_{[C]} \ge 4000$ $β7_{[C]} \ge 4000$ $β12_{[C]} \ge 400$ $β22_{[C]} \ge 400$	) ) )0	Stainless wire 25W 25μ nom 40W 40μ nom 74W 74μ nom 149W 149μ nor	inal inal inal	
Seals	B V E-WS	Nitrile (Bun Fluorocarbo EPR seals +	on	el support m	esh				

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. 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.



hyprofiltration.com info@hyprofiltration.com +1 317 849 3535

