

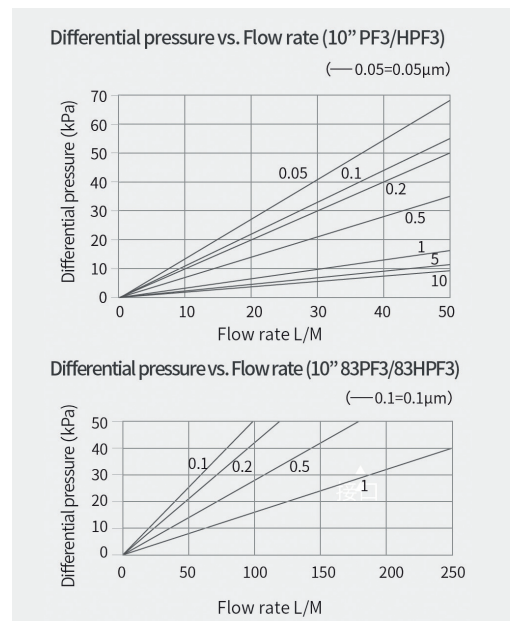
PTFE membrane filter, HDPE Cage

PF3/HPF3/UPE (Ø69, Ø83) series filters feature extremely low metal extractables. Suitable for benzene, toluene organic solvents, corrosive liquids and wet process chemicals.

Hydrophobic (PF3) and hydrophilic (HPF3) PTFE membranes are both available for liquid or gas applications.



ITEM	SPECIFICATIONS
Filter Media	Hydrophobic PTFE/UPE Hydrophilic PTFE/UPE
Support	HDPE
Endcaps/Cage/Core	HDPE
Max. Working Temp.	70°C
Max. Operating DP	Forward 0.42 Mpa, Reverse 0.21 Mpa



Ordering Information

Code	Removal Rating	Adaptor	Length	Sealing	Packaging
ESPRO-12-PF3	005	2F	05	T	/
ESPRO-12-PF3	005 0.05 µm	OD DOE	05 5"	E EPDM	/ Without Prewet
ESPRO-12-HPF3	010 0.10 µm	2F 222Spear	10 10"	V Viton	W Prewet Filter
ESPRO-12-UPE	022 0.22 µm	2C 222Flat	20 20"	S Silicone	
	045 0.45 µm	6F 226Spear	30 30"	T FEP/Viton	
	10T 10.0 µm	6C 226Flat	40 40"		
		2EC 222Flat with lock			
ESPRO-12-83PF3		2C 222Flat	08 8"	E EPDM	/ Without Prewet
ESPRO-12-83HPF3		6C 226Flat	10 10"	T FEP/Viton	W Prewet Filter
ESPRO-12-83UPE		2EC 222Flat with lock			



PF3 & PALL P Emflon comparison

COMPARISON TABLE			
Brand		PALL	esPRO® BY DEEFINE
Series		P Emflon	PF3 SERIES
Model No.		ABD1	PF3
Type		HDPE cartidge filter	HDPE cartidge filter
Pore size		0.05 µm / 0.1 µm 0.2 µm / 5 µm / 10 µm	0.05 µm / 0.1 µm 0.2 µm / 5 µm / 10 µm
Material	Filter medium	PTFE	PTFE
	Media support	HDPE	HDPE
	Core & Cage	HDPE	HDPE
	O-ring	Silicone / FEP / Kalrez / EPDM	Silicone / FEP / Kalrez / EPDM
Connections	Diameter	68 mm	68 mm
	Endcaps	222Flat / 226Flat	222Flat / 226Flat
	Length	10 / 20 / 30 inch	10 / 20 / 30 inch
Filtration area		1.1 m ²	1.1 m ²
Filtration efficiency		As shown in the figure	
Differential pressure		0.34 MPa @ 60°C	Forward 0.42 Mpa Reverse 0.21 Mpa
Maximum Operating Temperature		60°C	70°C



PF3

Differential pressure VS Flow rate (10"PF3)

