

Polyflow®-G

All-polypropylene nominal-rated depth cartridges for economical prefiltration

Polyflow®-G depth media has been developed for a wide variety of general process applications from fluid clarification to general prefiltration. Its high dirt-loading, random-fiber polypropylene depth media provides consistent particle retention.

Polyflow®-G is thermally bonded from 100% virgin polypropylene to ensure clean filtrates and excellent chemical and thermal compatibility in the most demanding processing conditions.

Polyflow®-G leads in overall reduction of filtration costs when compared to spunbonded, stringwound, and nominally-rated pleated prefilter cartridges. Its longer filtration life reduces downtime due to fewer change-outs.



Contact Information

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Benefits

- High flow rate and long service life reduce processing time
- Broad chemical compatibility allows use in most applications
- Thermally bonded construction minimizes extractables for cleaner filtrates

Applications

- Solvent filtration
- Liquid clarification
- Recirculating liquids
- General water filtration
- Reagent grade chemicals
- RO/DI prefiltration
- Waste water



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Polyflow®-G

SPECIFICATIONS

Materials of Construction

Depth media: Polypropylene
 Support layers: Polypropylene
 Structure: Polypropylene
 All components are thermally bonded to ensure integrity and to reduce extractables.

Nominal Filter Ratings

0.2µm, 0.5µm, 1µm, 3µm, 10µm, and 30µm

Effective Filtration Area

3.6ft² (0.33 m²) per 10" (250mm) cartridge

Cartridge Extractables

NVR < 35mg per 10" (250mm) cartridge

Maximum Differential Pressure/ Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C)

Reverse: 40psid (2.8bar) @ 75°F (24°C)
 15psid (1.0bar) @ 140°F (60°C)

Maximum Operating Temperature

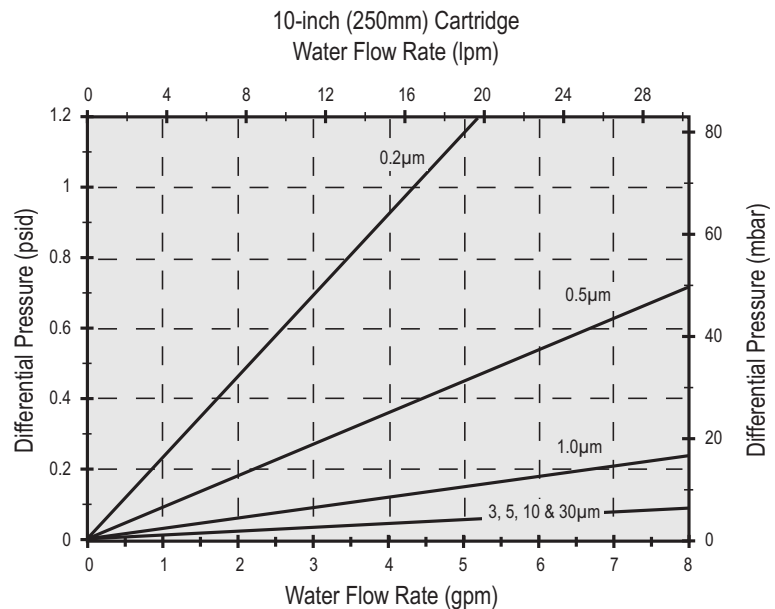
160°F (71°C)

Performance Attributes

Water flow rates, Typical*

Micron	gpm/psid	lpm/100mbar
0.2	4.2	23
0.5	11.0	60
1.0	33.0	181
3.0	70.0	384
5.0	70.0	384
10.0	70.0	384
30.0	70.0	384

* Per 10-inch (250mm) cartridge equivalent.



Ordering Information

Each cartridge is identified with a product number, pore size and lot number for traceability.

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Styles		End Fitting		Nominal Length			Filter Rating		Gasket O-Rings		Gasket Only		
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS	
												INCHES	mm
1	None	0	DOE (Cuno®)	05	5"	125	002	0.2	0	Buna-N	1	0.200"	5
A	½" Shortened on 222 Fitting	1	DOE	10	10"	250	005	0.5	1	EPDM	2	0.125"	3
		2	226 Flat	20	20"	500	010	1.0	2	Silicone	4	(1) 0.200"	5
		3	222 Flat	30	30"	750	030	3.0	4	Viton®	5*	(1) 0.125"	3
		6	020 Internal Flat	40	40"	1000	050	5.0	5*	FEP Encapsulated Viton®	N	No Gasket	
		7	226 Fin				100	10.0	6*	FEP Encapsulated Silicone			
		8	222 Fin				300	30.0	N	None			
		G	120 Internal Recessed End cap										
		H	213 Recessed End cap (Ametek)										
		J	120 O-ring/Fin										
		R	222 Recessed End cap										

*O-Rings only

Specifications are subject to change without notification.
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DS_ME_Polyflow-G Rev. A



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