

Clariflow®-G (General Grade) Filter Cartridges

Hydrophilic polyethersulfone (PES)
membrane for aqueous liquid
filtration applications

Clariflow®-G general grade cartridges are designed for general-purpose use in the filtration of high-purity liquids and aqueous chemicals.

The mirrored-anisotropic Polyethersulfone (PES) membrane is inherently hydrophilic and has a pore morphology that delivers exceptionally high flow rates.

Because there are no added surfactants or wetting agents, and the support layers and structure are all-polypropylene, the filter exhibits low extractables, broad chemical compatibility and good resistance to hydrolysis.

The Clariflow General Grade Cartridge is available in absolute ratings of 0.04, 0.1, 0.2, 0.45, 0.65 and 0.8µm pore sizes.



Contact Information

Parker Hannifin Corporation
Bioscience Division - N.A.
2340 Eastman Avenue
Oxnard, CA 93030

phone +1 805 604 3583
bioscience.na@parker.com

www.parker.com/bioscience

Benefits

- High flow rate reduces processing time
- Broad chemical compatibility allows use in most applications
- Low differential pressure reduces system wear and tear
- ISO 9001 registered company

Applications

- Chemical filtration
- Liquid clarification
- Recirculating fluids
- General use water filtration
- Deionized water systems



ENGINEERING YOUR SUCCESS.

Clariflow®-G (General Grade) Filter Cartridges

SPECIFICATIONS

Materials of Construction

Membrane: Polyethersulfone
 Support layers: Polypropylene
 Structure: Polypropylene

All components are thermally bonded to ensure integrity and to reduce extractables.

Effective Filtration Area

6.8ft² ± 0.3ft² / 0.63m² ± 0.0279m²
 per 10" (250mm) cartridge

Maximum Differential Pressure/ Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C)
 40psid (2.8bar) @ 180°F (82°C)

Reverse: 50psid (3.4bar) @ 75°F (24°C)

Maximum Operating Temperature

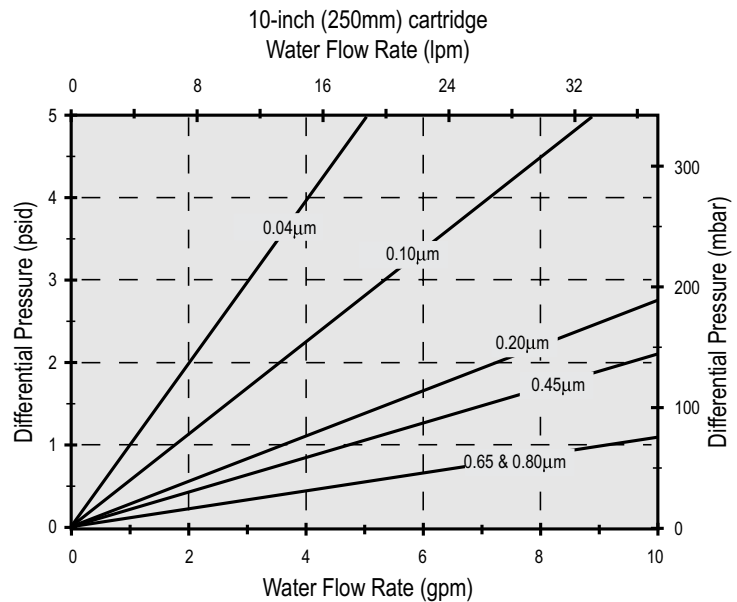
160°F (71°C)

Performance Attributes

Water flow rates, Typical*

Micron	gpm/psid	lpm/100mbar
0.04	1.0	5.29
0.10	1.8	9.88
0.20	3.7	20
0.45	4.8	26
0.65	9.2	51
0.80	9.5	52

* Per 10-inch (250mm) cartridge equivalent with viscosity of 1cP.



Ordering Information

25 – 10



– G

End Fitting	
Code	Description
0	DOE (Cuno®)
1	DOE
2	226/Flat
3	222/Flat
6	020/Internal/Flat
7	226/Fin
8	222/Fin

Nominal Length		
Code	Inches	mm
10	10	250
20	20	500
30	30	750
40	40	1000

Filter Rating	
Code	Micron
924	0.04
001	0.10
002	0.20
004	0.45
006	0.65
008	0.85

Gasket/O-Rings	
Code	Material
0	Buna-N
1	EPDM
2	Silicone
4	Viton®
5*	FEP-Encapsulated Viton®
6*	FEP-Encapsulated Silicone
N	None

Gasket		
Code	Thickness	
	Inches	mm
1	0.200	5
2	0.125	3
4	(1) 0.200	5
	(1) 0.125	3
N	No Gasket	

*O-Ring only

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety

© 2017 Parker-Hannifin Corporation
 Bioscience Division - North America
 All Rights Reserved



Clariflow is a registered trademark of Parker-Hannifin Corporation
 Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc.
 Cuno is a registered trademark of Cuno Inc.

DS_IP_Clariflow-G Rev. C