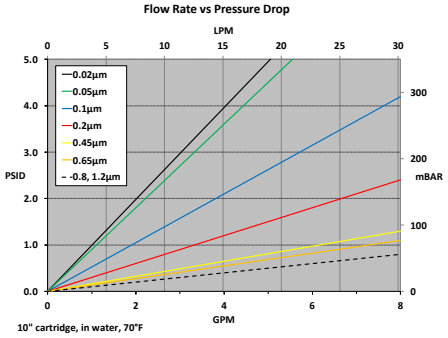
GLOBAL FILTER
Filtration Group®

Validated Filtration Solutions to Industry Leaders®

GHPS-Series Polysulfone

GHPS-Series High Purity Polysulfone Filter Cartridges offer exceptional flowrate and loading capability by virtue of its highly asymmetrical pore structure. It's a preferred choice in applications requiring the efficiency of a membrane but where a longer service life is important. Its hydrophilic nature allows immediate wet-out and optimizes the utility of the membrane surface area. Manufactured in a high-purity, thermally-bonded construction for cleanliness and broad compatibility, the optional post-rinse feature provides a cartridge with quick rinse-up to 18 megaohms. Manufactured in a cleanroom environment to maintain high standards of purity and cleanliness.

Flow Rate vs Pressure Drop



Typical Applications

- Deionized Water Systems
- General Use Water Systems
- Liquid Clarification
- Recirculating Fluids
- Chemical Filtration

Construction Materials

Membrane.....Polysulfone
Support Media.....Polypropylene
End Caps.....Polypropylene
Center Core.....Polypropylene
Outer Support Cages.....Polypropylene
O-Rings/Gaskets.....Buna, EPDM, Silicone
Teflon® Encapsulated Viton®[1], Viton®,
Teflon® Encapsulated Silicone[2]

Dimension (Nominal)

Length.....10 to 40 in (25.4 to 101.6 cm)
Outside Diameter.....2.70 in (7.0 cm)

Operating Conditions

Change Out ΔP (recommended)..... 35 PSID (2.4 bar)
Temperature (max)..... 176˚F (80˚C)
Differential Pressure (max)..... 50 PSID at 68˚F (3.4 bar at 20˚C)

Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI – 121˚C for plastics.

Sanitization/Sterilization

Filtered Hot Water.....176˚F (80˚C) for 30 min
Steam Sterilization.....250˚F (121˚C) for 30 min multiple cycles

Chemicals: Cartridges are compatible with most chemical sanitizing agents.

Note: Stainless steel insert option required for all cartridges being hot water sanitized or steam sterilized.

Food Safety Compliance

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 1935/2004, and/or 10/2011.

Ordering Information

GHPS	Rating(µ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
	0.02		10" (25.4cm)		2 = DOE Flat Gasket[1,2]	B = Buna		CS = 316SS Compression Spring
	0.05		20" (50.8 cm)		3 = 222 w/Fin	E = EPDM		I = Stainless Steel Insert
	0.1		30" (76.2 cm)		4 = 222 w/Flat Cap	S = Silicone		R = 18 Megaohm Rinse
	0.2		40" (101.6 cm)		6 = 226 w/Flat Cap	T = Teflon® Encapsulated Viton®[1] ★		
	0.45				7 = 226 w/Fin	V = Viton® ★		
	0.65				16 = 213 Internal O-Ring	Z = Teflon® Encapsulated Silicone[2] ★		
	0.8				28 = 222 3-Tabs w/ Fin			
	1.2							

1 - When ordering with DOE Flat Gasket, gasket style "T" = ePTFE (Expanded Teflon® - no encapsulation)
2 - When ordering with DOE Flat Gasket, gasket style "Z" is not available

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