

R Rosedale General Service Membrane Filter Cartridges

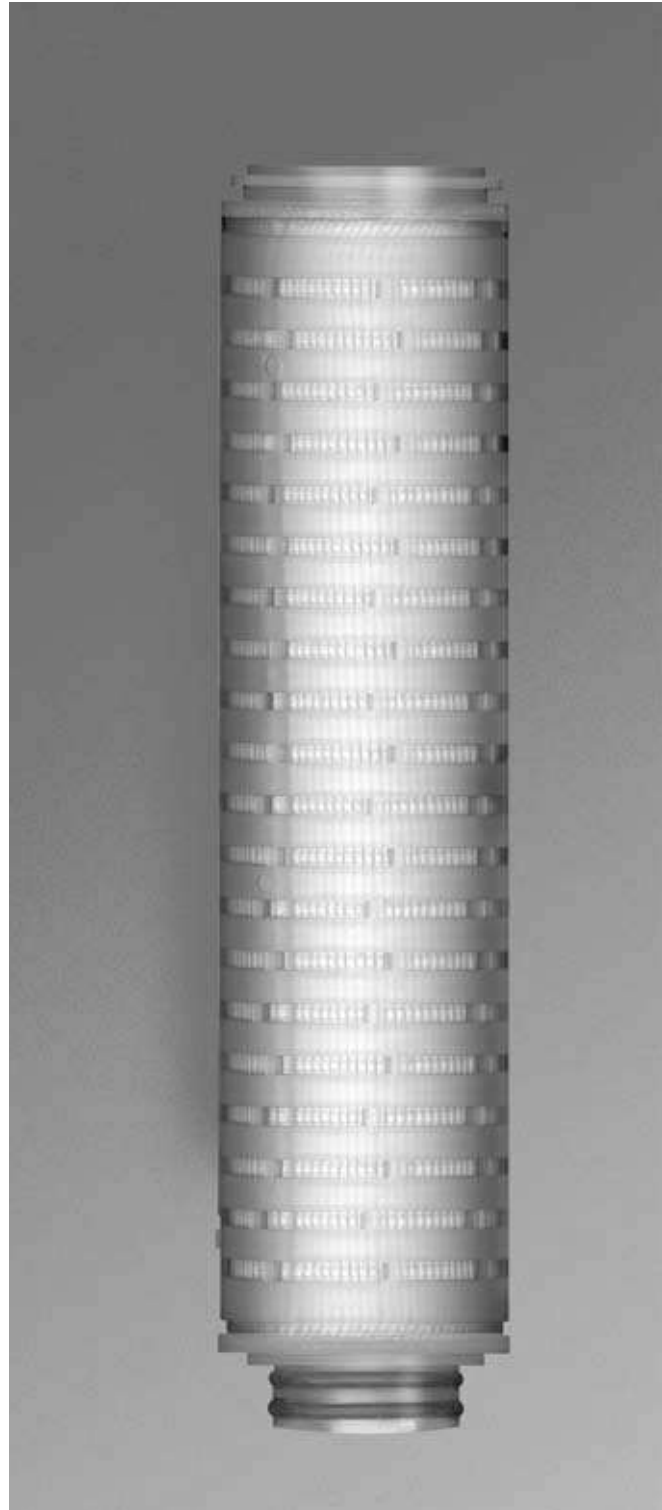
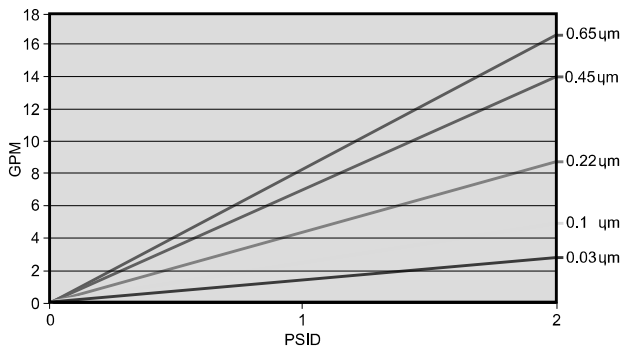
Cost effective units for industrial applications

GS Series Membrane Cartridges are designed for general industrial service where the need for cost effective filtration is a must. These cartridges utilize a pleated membrane design, incorporating the maximum amount of media that can be used in a cartridge. These units, manufactured for general industrial use, are manufactured to the same high standards as our special application cartridges. Pore sizes start at 0.03 μm with a polyethersulfone membrane.

Flow Rate

The following table represents typical water flow at one psid (69 mbar) across a single 10 inch cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements or higher pressure drops is acceptable. However, as flow increases, the pressure drop attributed to the housing itself will become evident.

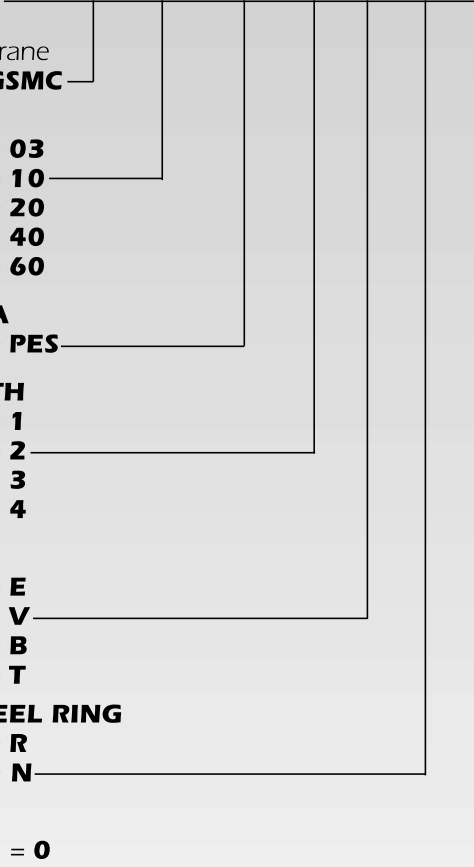
GS Series Flow Rate



How To Order

Build an ordering code as shown in the example

Example: GSMC - 10 - PES - 2 - V - N - 2

MODEL General Service Membrane Cartridge = GSMC	
PORE SIZE 0.03µm = 03 0.10µm = 10 0.22µm = 20 0.45µm = 40 0.65µm = 60	
MEMBRANE MEDIA Polyethersulfone = PES	
CARTRIDGE LENGTH 10 inches (25.4 cm) = 1 20 inches (50.8 cm) = 2 30 inches (76.2 cm) = 3 40 inches (101.6 cm) = 4	
O-RINGS EPDM = E Viton = V Buna N = B Teflon = T	
316 STAINLESS STEEL RING Ring = R No Ring = N	
END CAP Flat Gasket, DOE = 0 222, SOE, O-Ring = 2 020 O-Ring = 3 222 O-Ring with Spear = 4 226 O-Ring with Spear = 5	

Dimensions

Length: 10 to 40 inches
(25.4 to 101.6 cm) nominal
OD: 2.75 inches (7.0 cm) nominal

Maximum Differential Pressure

Forward: 50 psi (3.4 bar) at 20° C
Reverse: 40 psi (2.7 bar) at 20° C

Construction Materials

Filtration Media: Polyethersulfone
Media Support: Polypropylene
End Caps: Polypropylene
Center Core: Polypropylene
Outer Support Cage: Polypropylene
O-Ring Material: EPDM, Viton, Buna N, Teflon, Ethylene Propylene

Sanitization/Sterilization

Filtered Hot Water: 90°

Chemical Sanitization:

Industry standard concentrations of hydrogen peroxide, peracetic acid, sodium hypochlorite and other selected chemicals.

Integrity Test Specifications

(per ten inch length, water wetted membrane)

PORE SIZE	AIR DIFFUSION RATE		
	≤cc/min @ psi mbar		
0.03µm	55	60	4137
0.10µm	55	48	3307
0.22µm	55	35	2412
0.45µm	55	20	1378
0.65µm	55	15	1044

