

## (SGD) GUARD FILTER CARTRIDGES

### SUPER-FINE GLASS MICROFIBER FILTERS FOR PRE-FILTRATION

(SGD) Guard Filter Cartridges are composed of super-fine glass fiber media with a support layer of polypropylene. Glass fiber media has an inherently absorptive characteristic that enhances filter retention capability and are 1/3rd the diameter of normal fibers. SGD filter cartridges offer excellent efficiency, high flow rates and high contaminant-holding capability. The single cage construction provides high surface area, stable length control, and no leakage risk. SGD filter cartridges can protect expensive RO membranes. These filters are ideal for a wide range of industrial and water treatment applications.

| FEATURE                                      | BENEFIT   |
|--|---|
| <b>Super-fine glass micro-fiber membrane</b> | High porosity for high flow rates and low pressure drops  |
|  | Nominal particle retention efficiency at rated pore size  |
|  | Stiff structure of glass micro-fiber media provides high flow rate  |
|  | Glass fiber media has high contaminant holding capacity and inherently adsorptive effect which features its gel removal ability |
| <b>Quality Assurance</b>                     | Manufactured in a facility which adheres to ISO 9001 Practices. 100% Integrity tested and lot traceable.                        |

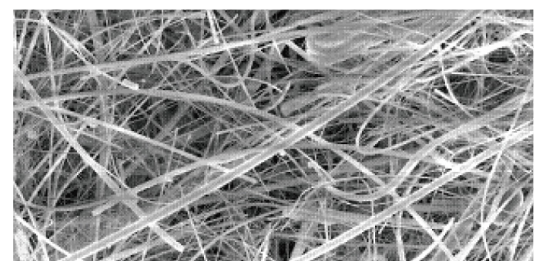
### SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| <b>Filter media</b>                | Glass Microfiber  |
| <b>Support layer</b>               | Polypropylene   |
| <b>Supports/core/cage/end caps</b> | Polypropylene   |
| <b>O-rings</b>                     | Silicone, EPDM, FKM, FEP/PFA encapsulated FKM                     |
| <b>Effective filtration area</b>   | 0.24 - 0.34 m <sup>2</sup> (2.6 - 3.7 ft <sup>2</sup> ) / 10 inch |
| <b>Max. operating temperature</b>  | 80°C  |
| <b>Max. differential pressure</b>  | 0.40 MPa (4.0 bar, 58 psi) at 21°C                                |
|                                    | 0.24 MPa (2.4 bar, 35 psi) at 70°C                                |



### Typical Applications

- Prefiltration
- Inks
- Pre-RO Filtration
- Water Treatment
- Oil Field Injection



Glass Fiber Media

## ORDERING INFORMATION

EXAMPLE: **SGD0010SF10S-C** = Glass Fiber, 1.0  $\mu\text{m}$ , 226/Fin, 10" filter with silicone seals

**SGD**



**Removal Rating  
(nominal)**

0100 = 1.0  $\mu\text{m}$   
0300 = 3  $\mu\text{m}$   
0500 = 5  $\mu\text{m}$   
1000 = 10  $\mu\text{m}$   
1500 = 15  $\mu\text{m}$   
2500 = 25  $\mu\text{m}$



**Connection**

DOE = Double Open End, flat gasket  
TC = 222 O-ring/Flat  
TF = 222 O-ring/Fin  
SF = 226 O-ring/Fin  
SC = 226 O-ring/Flat



**Nominal Length**

05 = 5"  
10 = 10"  
20 = 20"  
30 = 30"  
40 = 40"



**-C**

**Seal Material**

S = Silicone  
E = EPDM  
V = FKM  
P = E-FKM (FEP/PFA  
encapsulated FKM)



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