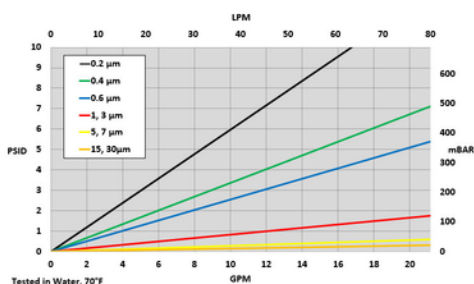


## GSD-Series Stacked Disc

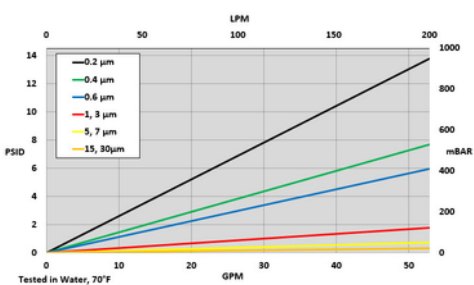
GSD-Series Stacked Disc depth filter elements are constructed from individual cells of a blend of cellulose and diatomaceous earth (DE). Each cell is constructed under compression with polypropylene edge seals and separators. Multiple gasket materials are available to ensure chemical compatibility in a wide range of liquid applications. Stacked Disc depth filter elements are ideal for applications ranging from low capacity laboratory environments to large scale production volumes for high solids removal or to protect downstream pleated depth or membrane filtration and equipment. DE exhibits an inherent positive charge which can support the removal of negatively charged ions and haze-causing particulate.



### Flow Rate vs Pressure Drop



12 INCH OD 16 CELL GSD SERIES



16 INCH OD 16 CELL GSD SERIES

### Typical Applications

- Coatings & Stabilizers
- Chemical Intermediates
- Syrups & Flavorings
- Beer, Wine & Spirits
- Turbine Lube
- Transformer Oil
- Edible Oils
- Plasma, APIs & Culture Media
- Oral Products, SVPs, LVPs & Topicals

### Operating Conditions

**Temperature (max)** .....176 °F (80 °C)  
**Differential Pressure (max)** .....30 PSID at 68 °F  
 (2.1 bar at 20 °C)  
**Recommended Rinse Volume** .....2.5 gal ft<sup>2</sup>  
 (100L/m<sup>2</sup>)

### 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.

### Construction Materials

**Filtration Media** .....Cellulose, Diatomaceous Earth  
**Edge Seals** .....Polypropylene  
**Spacers & Separator** .....Polypropylene  
**Gasket Retainer** .....Polypropylene  
**Gasket** .....Buna, EPDM, Silicone\*, Viton®

Gaskets denoted with an asterisk (\*) come as standard

Configuration	Materials of Construction	Effective Filtration Surface Area (EFA)
12" diameter, 16 cell	Polypropylene edge seal, end rings	18.0 ft <sup>2</sup>
16" diameter, 16 cell	Polypropylene edge seal, end rings	38.0 ft <sup>2</sup>

### Ordering Information

GSD	Rating(μ)	A	Media	Cell Diameter	# of Cells	Gaskets
	0.2		CDE (Cellulose+Diatomaceous Earth, 0.2u – 7.0u)	12 = 12"	16 = 16 cells	B = Buna
	0.4		C (Cellulose, 15u & 30u)	16 = 16"		E = EPDM
	0.6					S = Silicone
	1.0					V = Viton®
	3.0					
	5.0					
	7.0					
	15.0					
	30.0					

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required. For additional technical support, a product Performance Guide is available upon request.