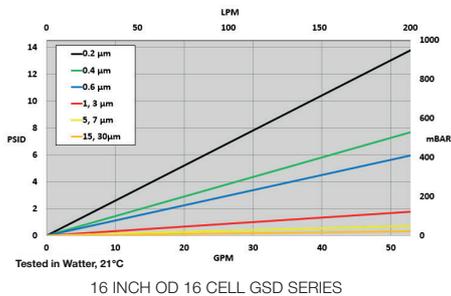
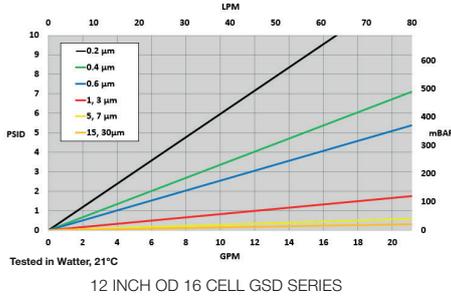


## GSD-Series Stacked Disc

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



### 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)**.....80°C  
**Differential Pressure (max)**.....2,1 bar at 20°C  
**Recommended Rinse Volume**.....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, Resin  
**Edge Seals**.....Polypropylene  
**Spacer & Separator**.....Polypropylene  
**Gasket Retainer**.....Polypropylene  
**O-Rings/Gaskets**.....Buna, EPDM, Silicone, FKM, PTFE

### Dimensions (Nominal)

Configuration	Effective Filtration Surface Area (EFA)
12" diameter, 16 cell	1,9 m <sup>2</sup>
16" diameter, 16 cell	4,1 m <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					V = FKM
	3					T = PTFE
	5					
	7					
	15					
	30					

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.

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