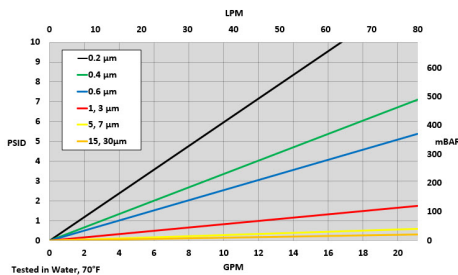


GSD-Series Stacked Disc

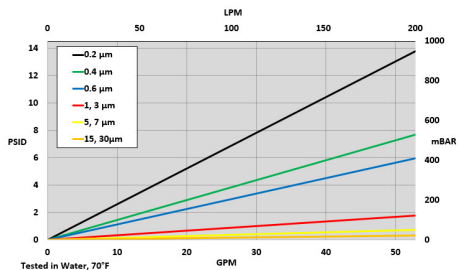
GSD-Series Stacked Disc depth filter elements are constructed from individual cells of a blend of cellulose and diatomaceous earth (DE). Each cell is constructed under compression with polypropylene edge seals and separators. Multiple gasket materials are available to ensure chemical compatibility in 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

Construction Materials

Filtration Media.....Cellulose: Diatomaceous Earth
Edge Seals.....Polypropylene
Spacer & Separator.....Polypropylene
Gasket Retainer.....Polypropylene
Gasket.....Buna, EPDM, Silicone*, Viton®
 Gaskets denoted with an asterisk (*) come as standard

Dimensions (Nominal)

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

Operating Conditions

Steam in Place.....3 cycles up to 250°F (121°C)
Temperature (max).....176°F (80°C)
Differential Pressure (max).....30 PSID (2.1 bar) at 68°F (20°C)
Recommended Rinse Volume.....2.5 gal ft² (100L/m²)

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 2002/72/EC, 1935/2004, and/or 10/2011.

Ordering Information

| GSD | Rating (u) | 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 | | | 16 = 16" | | E = EPDM |
| | 0.6 | | | | | S = Silicone* |
| | 1 | | | | | V = Viton® |
| | 3 | | | | | |
| | 5 | | | | | |
| | 7 | | | | | |
| | 15 | | C (Cellulose, 15u & 30u) | | | |
| | 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.