



GLAS-TECH II Filter Cartridges

- liquid filters
- glass microfibre

GLAS-TECH II filter cartridges offer an economical prefiltration solution for both liquids and gases. Providing excellent flow rates and long service life with an exceptional ability to retain both deformable and non-deformable particles.

GLAS-TECH II is made using components of construction that provide optimal results in a wide variety of prefiltration applications. GLAS-TECH II cartridge is a nominally-rated borosilicate microfibre depth matrix that has an exceptionally high dirt-holding capacity. The natural, positive charge of the glass fibre also aids in the retention of negatively charged particulates such as colloidal materials.

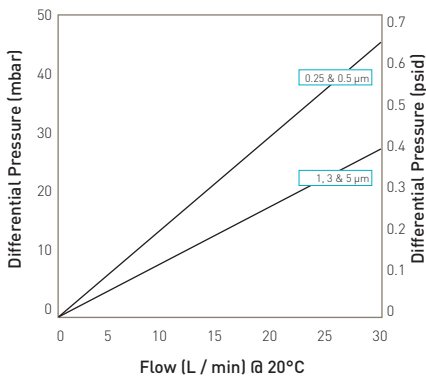
Thermal bonding helps to ensure stability through multiple steam cycles. The pleat geometry for each micron rating has been individually optimised to ensure stability through long service life and maximum dirt-loading in the most stringent of processing conditions

Features and Benefits

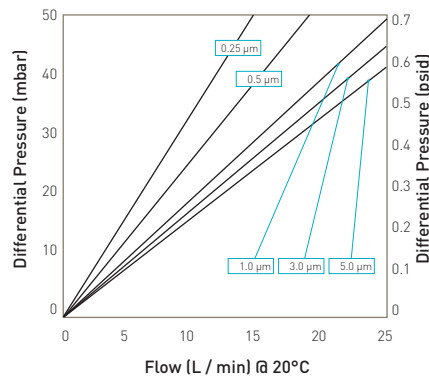
- High flow rate reduces processing time
- Long service life minimises change-out frequency
- Thermally resistant for use under aggressive conditions
- Natural positive charge enhances particle retention



Performance Characteristics



10" Size (250 mm) Cartridge



5" Size (130 mm) Cartridge

Specifications

Materials of Construction

| | |
|--------------------|---------------------------------------|
| ■ Filtration Media | : Glass Microfibre |
| ■ Media Binder | : Acrylic |
| ■ Support Layers | : Polyester |
| ■ Structure | : Polypropylene |
| ■ Standard O-rings | : Buna N EPDM Silicone Viton |

Maximum Operating Conditions

71°C [160°F]

Recommended Operating Conditions

Up to 70 °C [158 °F] continuous operating temperature and higher short-term temperatures during CIP to the following limits:

| Temperature | | Max. Forward dP | |
|-------------|-----|-----------------|-------|
| °C | °F | (bar) | (psi) |
| 24 | 75 | 5.5 | 80 |
| 80 | 176 | 2.1 | 30 |

Cleaning and Sterilisation

Cartridges with encapsulated inserts may be steam sterilised for multiple cycles at 130°C [266°F] or sanitised for a least ten 30 minute cycles using 80°C [176°F] water. They are also compatible with most other sanitising agents.

For detailed operations procedures and advice on cleaning and sterilisation, please contact the Technical Support Group through your usual domnick hunter contact.

Applications

- Cutting oils
- Cosmetics
- High viscosity solutions
- General filtration

Ordering Information

Cartridges

| 28 | □ | 9 | □ | □ | - | □ | - | □ | □ |
|---|--|---|--|--|---|---|---|---|---|
| Code Insert Style | Code End Fitting | Code Length (Nominal) | Code Micron | Code Seal | Code Gasket Thickness | | | | |
| 1 None (std) 5 Encapsulated 316L Stainless Steel 6 Encapsulated Polysulphone A* Short Neck | 0 DOE 1 DOE 2 Flat / 226 3 Flat / 222 6 Flat / 020 / Internal 7 Fin / 226 8 Fin / 222 G 120 / Internal / Recessed Endcap H 213 Recessed Endcap R 222 / Recessed Blank | 05 5" (130 mm) 10 10" (250 mm) 20 20" (500 mm) 30 30" (750 mm) 40 40" (1000 mm) | 002 0.25 050 0.5 010 1.0 030 3.0 050 5.0 | 0 Buna N 1 EPDM 2 Silicone 4 Viton** 5* FEP Viton 6* FEP Silicone N None | 1 5mm [0.200"] 2 3mm [0.125"] 4 (1) 5mm [0.200"] and (1) 3mm [0.125"] N No Gaskets | | | | |

*code 3 and 8 only

*o-rings only

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