

BorsoSpun-Glass

Fiber Glass Nominal Rated Filter Cartridges

VAN BORSELEN FILTERS



Van Borselen Fiber Glass Filter Cartridges are made of unidirectional fine microglass fiberflocks under controlled feeding of phenolic resin binder. The wound filter element has a graded density from the outer to the inner area which results into an asymmetric structure.

Depending on the nominal micro-rating of the **BorsoSpun-Glass** one or more different mean microfiber diameters are used within the individual cartridge, resulting in a rigid structure of the filter

Outer high permeability area
(traps larger particles)

Perforated reinforcing core
(PP, tin coated steel, stainless steel)

Inner lower permeability area
(traps finer particles)

Fabric sleeve



APPLICATIONS

- Transformer / Dielectric Oils
- Machine Coolants & Cutting
- Oils Hydraulic Oils & Lube Oils
- Paints & Resins
- Inks
- Adhesives
- Lacquers & Varnishes
- Fuel Oils
- Crude Oils
- Grease
- Plasticizers



Specifications

Micron ratings and Efficiency

Micron ratings:	1, 5, 10, 20, 50, 100, 150
Efficiency:	90% throughout filter lifetime

Binders content and PH limitations

Binder content:	9 - 18%*
PH-range:	4 - 10

**Depending on cartridge*

Cartridge Dimensions

Lengths:	9 3/4", 10", 19 1/2", 20", 29 1/4", 30", 39", 40"
Outer Diameter:	2.6" (66mm)
Inner Diameter:	1 1/16" (27mm)

Surface area

Ungrooved	0.053m ² /10''
Grooved	0,085 m ² /10''

Flow Rates and Dirt holding capacity

Max. Flow Rate	up to 50 l/min/10''
Recommended Flow Rate	up to 20 l/min/10''
Dirt holding capacity	up to 250 g/10''

Pressures and temperatures

Collapse Pressure	3,5 - 10 bar*
Changeout Pressure	2,5 - 4 bar*
Max. Operating temperature	150° C*

**Depending on core material*





Additional Information

Range

Van Borselen Filters Supplies a full range of filtration products: e.g.:
Filtercartridges (Meltblown/ Membranes/ Activated Carbon)
Filterhousings, Filterbags, Lenticular Module Filters, Self Cleaning
Filters, Filter Sheets, Sieving Machines, Porous Sintered Metal,
Oilskimmers, Strainers and many more..

Chemical Compatibility

The **BorsoSpun-Glass** materials of construction are compatible with a wide range of chemicals and solvents, however care must be taken to select the appropriate seal material. Advice on chemical compatibility is available. Since operating conditions vary considerably between applications, verification by the end user is recommended.

Quality control

Our factories are all located in Western Europe and are accredited to ISO 9001-2008.

All our filters are fully traceable and manufactured under clean room conditions.

Engineering capacities

One of our strengths is developing filter vessels for critical applications in the chemical industry.

We have a wide experience in supplying filter vessels, like Duplex (UNS S31803), Super-Duplex (UNS S32750/60), Titanium, RvS316L, CS (optionally with a coating or lining).

Our filter vessels comply with the necessary design codes (ASME VIII, EN13445, U-stamp and PD5500) and comply to ATEX and PED 97/23/ EC standards. Both liquids and gases PED classes I, II, III, IV, all modules



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