



FiberFlo® MicroFiber Filters

Unique Manufacturing Process Gives Superior Structure

Using a numerically controlled process, molten polypropylene is extruded into highly porous cartridges. The microfibers weld together as they cool. The result is a dimensionally stable filter media that resists distortion during increased fluid pressure.

True Gradient Pore Size Distribution

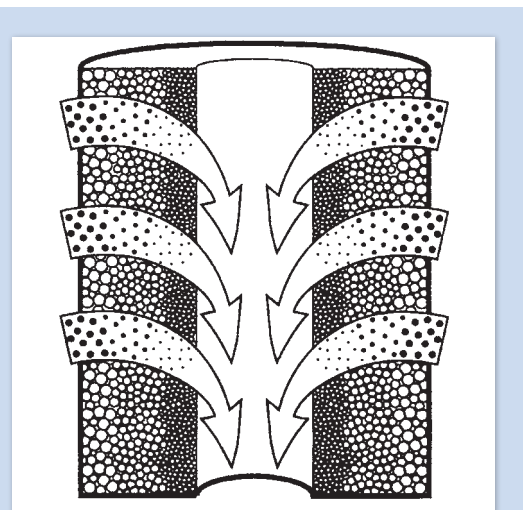
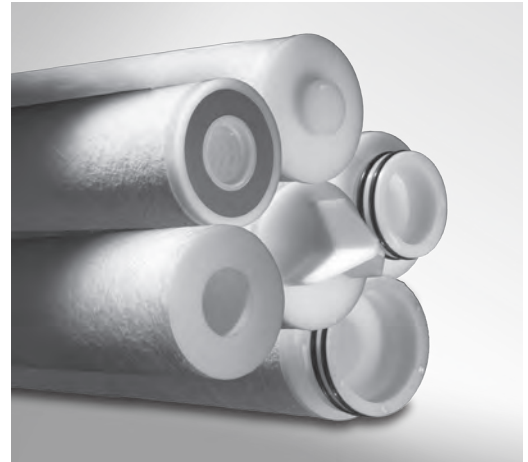
FiberFlo MicroFiber cartridges contain void spaces that are far more accessible to dirt particles than those filters using graded density construction. The proprietary melt blown process develops a filter with enormous quantities of progressively smaller pores without significantly increasing bulk density. Porosity remains uniform, from coarse to fine, throughout the cartridge wall providing maximum throughput and extended service life. In contrast, graded density is a relatively unsophisticated method that compresses more fiber into a fixed volume to achieve smaller voids and pores. This can cause a dramatic reduction in percentage of void volume resulting in excessive pressure drop and shortened service life.

Free From Extractables

FiberFlo MicroFiber filter surfaces are free from lubricants, surfactants or antistatic chemicals so they will not cause foaming or other contamination. Polypropylene microfiber is suitable for potable water filtration and food processing applications. The polypropylene cartridges are also suitable for filtering a variety of industrial chemicals.

Features & Benefits

- Greater void volume than resin bonded or wound cartridge.
- Homogeneous high purity media. Fibers free of residual extrusion oils, surfactants, antistatic agents and resin binders.
- Fibers thermally bonded - dimensionally stable filter media.
- Increased dirt-holding capacity. Longer service life. Lower initial pressure drop.
- Hydrophobic media.
- High efficiency media.
- Easily ground into powder or incinerated.
- Reduced fiber migration. Micron rating not altered as differential pressure increases. Rigid, highly porous cartridge does not require a support core.
- Results in particle entrapment throughout depth of media reducing surface blinding and increasing dirt holding capacity.
- Filter will absorb undissolved and non-emulsified oil out of liquid, air or gas streams.
- Reduced waste volume.



The true gradient density of these filters results in particle entrapment throughout the depth of the media, reducing surface binding and providing increased filter life and dirt holding capacity.

Technical Data

| FiberFlo MicroFiber Cartridge Specifications | |
|--|----------|
| Differential Pressure | |
| Maximum Recommended: | 35 PSIG |
| Change Out: | 15 PSIG |
| Initial: | 1-3 PSIG |
| Operating Temperature | |
| Maximum | 200°F |
| Lengths (in inches) | |
| 9 ¾, 10, 19 ¾, 20, 29 ¼, 29 ¾, 30, 40 | |
| O-Ring or Flat Gaskets | |
| Silicone, VITON®, Buna-N, ERR, Neoprene | |
| Micron Ratings | |
| 1, 3, 5, 10, 25, 50, 75, 100, 150 | |

| End Fitting Options: | |
|------------------------------|----------------|
| Description | Std. Reference |
| SOE-222 O-Ring/Solid End Cap | Code 3 |
| SOE-222 O-Ring/Fin | Code 8 |
| SOE-226 O-Ring/Fin | Code 7 |
| DOE-Flat Gasket/Flat Gasket | Code DOE |
| DOE -Standard (X Model) | No end caps |

Compliance of Polypropylene MicroFiber Cartridges

FDA

The polypropylene microfiber media, using a base homopolymer resin, is in compliance with the appropriate guidelines outlined by the U.S. Food and Drug Administration. Construction components meet the FDA requirement outlined in the Code of Federal Regulations, Title 21, Section 177.1520 (a), (1) and Section 177.1520 (c), (1.1). Guidance in the proper use of polymers is set forth by appropriate government regulation and must be determined by the end user. End users are encouraged to consult the Code of Federal Regulation in determining acceptable use for polypropylene homopolymers (Ref...Title 21, Section 176.170).

NSF

FiberFlo MicroFiber Cartridges, with and without end caps, are certified by NSF International under ANSI/NSF Standard 42 for replacement parts.

USP

FiberFlo MicroFiber Cartridges meet the requirement of the USP Class VI plastics test as demonstrated by USP Biological Reactivity Tests, In Vivo.

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