

Description



Micro Fluoro Pharma Grade is designed for the process security of sterile filtration of air and gases or solvents in food, beverage, and medical production.

The unique thick hydrophobic PTFE single-layer design provides both mechanical safety and flow rate advantages compared with double-layer construction.

The cartridges are suitable for use in repeated hot water sanitization and in situ steam sterilization cycle for longer service life.

Micro Fluoro Pharma Grade is designed, developed, and manufactured in accordance with a Quality Management System approved by an accredited registering body to an ISO® 9001 Quality Systems Standard.

Specifications

Materials:

- Medium: Hydrophobic PTFE
- Core ,cage and endcaps : Polypropylene
- Support layer: Polypropylene
- Adapter: PP with internal reinforcing ring
- O-ring: Silicone (another material is optional)

Removal Ratings:

- 0.2 µm

Configurations:

- Diameter : 69mm (Outer diameter)
56mm (for MFDB20ASEC)
- Length: 5", 10", 20", 30", 40"
- Filtration area: 0.7 m² @10" cartridge
0.21m² @ MFDB20SEC

Technical Information:

- Maximum operating forward pressure drop:
2kg/cm² (29 psi) at 80°C(176°F),
5kg/cm² (72.5 psi) at 25°C(77°F)
- Maximum operating reverse pressure drop:
1kg/cm² (14.5 psi) at 40°C(104°F)
- Sterilization and cumulative cycles:
In-line-steam: 20-min cycle @121 °C (250 °F), >25 cycles
Hot water: 30-min cycle @90 °C (194 °F), >25 cycles
(The actual cumulative time depends on the process conditions.)
- Indirect Food Additive: All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.
- Non-fiber Releasing: The filters meet the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3(b)(6).

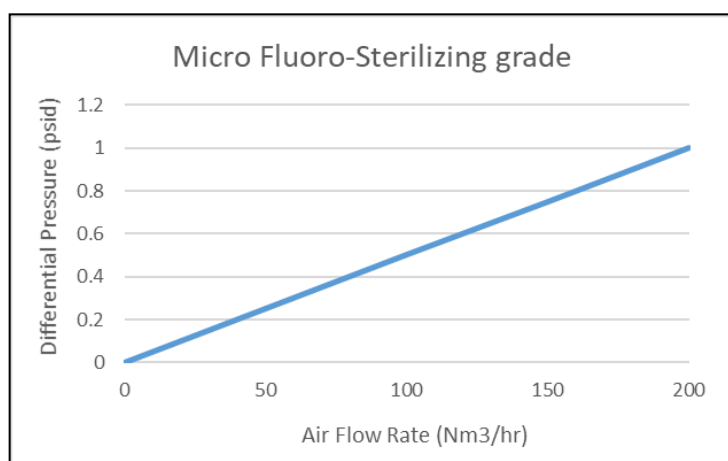
Benefits & Features

- Cost effective durability
- Halal certified.
- Manufactured in a cleanroom environment.
- 100% individually integrity tested during production.
- Manufactured according to ISO9001 certified Quality System.

Applications

- Sterile tank venting
- Sterile process gases
- Solvents

Performance



Ordering Information

MF	D	B20	1	S	6H	A	A	
Product Name	Grade	Rating (um)	Length	O-ring	Code Number	Pre-Flush	Integrity Test	Disinfection
Micro Fluoro	D: Pharma grade	B20: 0.2	A: 5"	E: EPDM	DO: Double Open (full length)	A: Pre-Flush with DIW	A: Integrity Test	S : Steam (autoclave)
	Hydrophobic PTFE	F20: 0.2 double	1: 10"	S: Silicone	2C: 222/Cap			
	PD: Pharma grade		2: 20"	V: FKM	2S: 222/Spear			
	Hydrophilic PTFE		3: 30"	T: FEP	6F: 226/Cap			
			4: 40"	encapsulated	6B: 226/Spear			
				FKM	2L: 222 (with tabs, Autoclavable)/Cap			
					2H: 222 (with tabs, Autoclavable)/Spear			
					6L: 226 (with tabs, Autoclavable)/Cap			
					6H: 226 (with tabs, Autoclavable)/Spear			

*Suggested to choose adapter 2L,2H, 6L, 6H for hot water or in-situ steam sterilization cycles.