



BATES WATER SOLUTIONS, INC.

Challenge Us. We solve Water Equipment Issues.
760 N. Frontage Rd. Suite 103 - Willowbrook IL 60527
P. 630-964-1539 F. 630-590-5377

PROUDLY MADE IN AMERICA

PTFE Membrane Cartridges

PTF Series for temperature, chemical and vent filtration with optimal air or gas flow



- BWS's membrane filters offer a **wide array of micron ratings** from .02 to 5 microns
- **Excellent for chemical and pharmaceutical** filtration applications
- PTFE cartridges are **hydrophobic**, resisting water while offering **excellent air and gas flow**
- All PTFE cartridges are **produced in-house** on the most **modern equipment** available
- Complete in-house testing guarantees a **superior and consistent product**
- We offer **all end cap configurations** to offer you the proper cartridge to fit your applications and housings
- Cartridges are manufactured to meet **FDA Title 21** for food contact applications
- Cartridges are constructed in a **clean room environment**
- Cartridges offer **structural stability, long life, and high performance** with high filtration area
- **Custom applications** can be made to meet your pore and density requirements
- Cartridges may be ordered as **final rinsed with 18 mega ohm water**

***Please call with all of your applications
(630) 964-1539***

Toxicity	Purity
BWS's Cartridges are manufactured with no additives or other manufacturing agents. We guarantee all materials used in the production meet FDA Title 21 of the Code of Federal Regulations 174.5 and 177.1520.	Cartridges are Free of Surfactants, Resins, Binders and Adhesives
Sterilization	
Multiple Autoclaving for 30 Minutes at 250°F (121°C) under no End Load Conditions. In-line Steam Sterilization is not recommended. May be In-line Sanitized with Hot Water at 180°F (82°C) for 1 hour.	

Product Specifications	
Retention Ratings:	.02, .05, .1, .2, .45, 1.0, 3.0 & 5.0 micron
Membrane:	PTFE
Support Media:	Polypropylene
End Caps:	Polypropylene
Center Core:	Polypropylene
Outer Support Cage:	Polypropylene
Maximum Operating Temperature:	248°F
Diameter:	O.D. - 2.7" I.D. - 1" center
Lengths:	10, 20, 30, & 40 inch
Maximum Differential Pressure:	45 psid

FDA compliance under Title 21 of the code of federal regulations for food contact applications



Building a Part Number

PTFE	MICRON		CARTRIDGE LENGTH	CORE MATERIAL	END CAP	GASKET / O-RING	18 MEGA OHM RINSE
PTF	.02		3	E	2	B	R
PTF	.02	.45	3 = 10	E = Polypropylene	2 = 222/Fin	B = Buna V = Viton® T = Teflon® S = Silicone N = Neoprene D = EPDM	R
	.05	1.0	5 = 20		4 = 222/Flat		
	.1	3.0	7 = 30		5 = 226/Flat		
	.2	5.0	9 = 40		6 = 226/Fin		
					9 = Flat Gasket		

