

Bioflo PT

Absolute Rated PTFE Membrane Filter Cartridges

- Inherently Hydrophobic PTFE membrane
- Resistant to 100 steam cycles
Repeatedly steamable in situ or in autoclave
- Thermowelded construction
- FDA-listed materials per CFR21
- Bio-Safety per USP Class VI
- Validation Guide available on request



Bioflo PT is a filter element designed and manufactured to very high quality standards for applications in processes where the filtrate is required to be free from particulate and biological contaminants. The expanded PTFE membrane, inherently hydrophobic, allows superior performances both in gas filtration and non-aqueous liquid filtration. Bio-tech pharmaceutical, electronic, food & beverage industries can rely on a product with a high standard of quality suitable to solve contamination issues in critical applications.

Bioflo PT is manufactured within an ISO Class 7 cleanroom environment and each cartridge is integrity tested. Each filter is stamped with pore size, lot and serial number for identification and traceability.

Materials of Construction

Filter media	PTFE membrane
Upstream supports	Polypropylene
Downstream supports	Polypropylene
Internal Core	Polypropylene
External Cage	Polypropylene
End caps / Adapters	Polypropylene

Food Safety

Bioflo PT filter elements meet regulation (EC) 1935/2004 for indirect food contact.

Bio-Safety

Filter media and components pass USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics.

Quality Standards

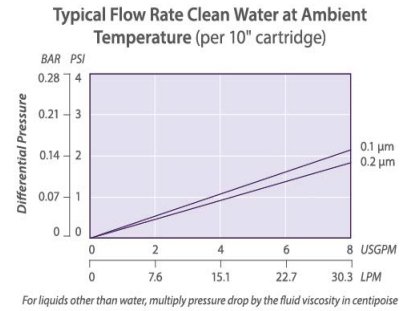
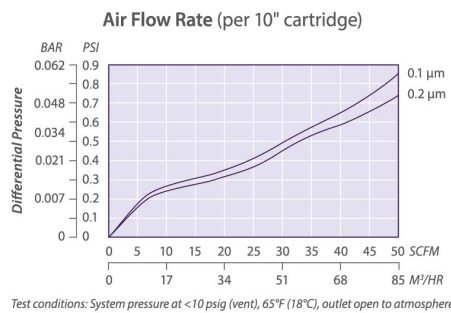
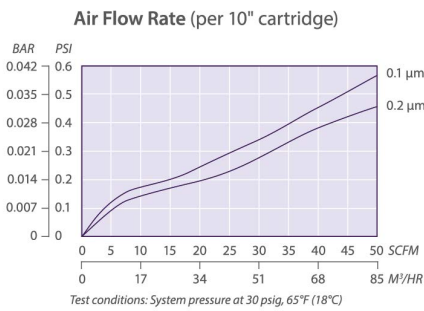
Produced under an ISO certified Quality System to guarantee traceability of manufacturing records and integrity testing results.

Operating Conditions

- Maximum continuous temperature is 70°C
- Maximum cumulative time of steam sterilization is 100 cycles of 30 minutes at 135°C
- Sanitization with chemicals - can be sanitized by standard chemical agents
- Maximum differential pressure is 5.0 bar at 25°C
- Recommended change out differential pressure is 35 psid (2.4 bars)

ABSOLUTE FILTRATION RATING		ACCEPTABLE LIMIT FOR INTEGRITY TEST
IN LIQUID	IN DRY GAS	
0.2µm	<0.01µm	≤ 20 ml/min @ 0.8 bar (12psig)
0.1µm	<0.01µm	≤ 50 ml/min @ 1.2 bar (18psig)
Note: 1- The integrity is verified by DIFFUSION TEST using an aqueous solution of isopropyl alcohol (IPA 60/40 V/V) as wetting liquid.		

Flow Rates for 10" Cartridge



Ordering Guide

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type
Bioflo PT	0.1µm 0.2µm	5	03	S - Silicone
		10	04-DOE	V - Viton
		20	07	T - Teflon
		30	08	E - EPDM
		40		N - Buna

BPT-NA-0317



North American Headquarters

Envirogen Technologies, Inc.
 2627 Chestnut Ridge, Suite 260
 Kingwood, TX 77339
 Tel: +1 877.312.8950
 E: info@envirogen.com
www.envirogen.com