



Membrane Technologies

PTFE Membrane Inline Vent Filter Type ITF

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mdi ITF, PTFE Membrane disposable air/gas filter is a convenient pre-fabricated device used for inline sterilization of air/gases and sterile venting of sterile containers, disposable manifolds, tubing systems and other various pharmaceutical and biotechnology processes.

These devices are validated and assured for quality to ensure superior performance.

Special Features

- High retention efficiency
- Heat stable
- Non media migrating
- Wide chemical compatibility
- Biologically inert
- High flow rates
- Heat welded, no adhesives
- Light weight, self supporting on flexible tube

Application

- Sterile air/gas filtration
- Venting of small bioreactors and culture vessels
- Hydrophobic safety barrier against body fluids

Microbially Validated as per ASTM F 838-83

Complies with USFDA 21 CFR 211.72

Meets and Exceeds USFDA 21 CFR 177.1520

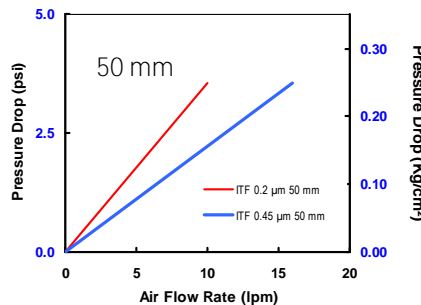
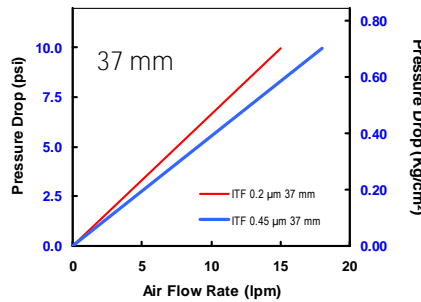


Material of Construction

Housing : Polypropylene

Filter Medium : PTFE Membrane

Air Flow Rate



Specification

Pore Size

0.2 µm, 0.45 µm

Bubble Point (70% IPA)

0.2 µm: ≥ 22 psi

0.45 µm ≥ 9 psi

Effective Filtration Area

ITF 37: 9.6 cm²

ITF 50: 18 cm²

Wettability

Hydrophobic

Dimension

	ITF 50	ITF 37
Diameter	56 mm	45 mm

Sterilization

30 Autoclave cycles at 121°C for 30 minutes each

Maximum Operating Pressure

3 Kg/cm² @ 30°C

Maximum Operating Temperature

80°C @ < 2Kg/cm²

Biosafety

Passes the Biological tests for Class VI plastics as per USP

Extractables with Water

Within limits specified in USP

Oxidizable Matter

Passes test as per USP

Fiber Release

Passes test as per USP

Data Sheet

Type	Code	Size		Pore Size (µm)		Inlet/Outlet		X	X	Sterility		Pack Size		Ordering Information
		Diameter	Code		Code		Code			Code	Qty	Code		
ITF	ITFX	37 mm	08	0.2 µm	01	1/4" SHB	B			Non	1	12	08	
		50 mm	10	0.45 µm	02	1/8" MNPT	C			ETO	2	20	09	
						3/4" Sanitary Flange	S			Sterile				
EXAMPLE		ITFX	10	01	BB	XX	1	08						

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