

mdi Inline Air/Gas Filters

mdi disposable PTFE gas filters are convenient prefabricated devices used for inline sterilization of gases and as a bacterial air vent in various pharmaceutical and biotechnology processes.



Special Features

- High flow rates
- High heat stability
- Heat sealed
- Light weight and self supporting
- 100% Integrity tested
- **Total traceability:** Unique marking on each filter

Types Available

- ITF37: 37 mm Vent
- ITF50: 50 mm Vent

Applications

- Sterile air for cell factories
- Venting of small bioreactors
- Nitrogen blanketing in SVP
- Venting of sterile collection vessels

Specifications

Sterilization: 30 autoclave cycles of 30 minutes at 121 °C

Maximum Operating Pressure: 5Kg/cm² @ 30 °C

Biosafety: Passes the Biological tests for Class VI plastics as described in USP

Extractables with IPA: Within limits specified in USP

Oxidizable Matter: Passes test as per USP

Integrity Test Data (70% IPA Wetted)

Type	Pore Size	Bubble Point
ITF	0.2µm	> 22psi (>1,54 kg/cm ²)

Air Flow Rates

Type	Pore Size	Air Flow Rates @ 10psi dP
ITF37	0.2µm	15 lpm
ITF50	0.2µm	30 lpm

Order information:

Type		Size			Pore size		I/O Connectors		XX	Sterility		Pack size	
Type	Code	Size	EFA	Code		Code	Connector	Code			Code	Pack size	Code
ITF37	ITFX	37 mm	9.6 cm ²	08	0.2 µm	O1	1/4" SHB	B		non sterile	1	12	O8
ITF50	ITFX	50 mm	18 cm ²	10	0.45 µm	O2	1/8" MNPT	C		sterile	2	20	O9

mdi PTFE Membrane Capsule Filters



PTFE Membrane	Code	Size	EFA*	Code	Pore Size	Code	Connection	In	Out	X	Filling Bell	Code	Sterility	Code	Pack	Code
Hydrophobic PTFE	DTLX	1"	0,021 m ²	51	0,2 µm	01	1/4" SHB	A	A		with	B	Non	1	1	01
		2"	0,05 m ²	52	0,45 µm	02	1/4" MNPT	B	B		without	X	Sterile	2		
		5"	0,1 m ²	53			1/2" MNPT	C	C							
		10"	0,2 m ²	54			1/2" HB	D	D							
							1,5" TC	E	E							
							6 mm Walter	G	G							
							MPC	J	J							
Example:	DTLX			51		01		J	J	X		X		1		01