

PureFlo® PTFE Full-Size Capsule Filters

PureFlo® PTFE Full-size Capsule Filters are designed for sterile vent and compressed air applications in the pharmaceutical industry. The PTFE membrane offers high flow rates in applications requiring steam sterilization. The high flow rate and compact design allows for efficient integration into a variety of pharmaceutical processes, minimizing the space and weight of the vent filter in the system.



Typical Uses
Venting Bioreactor Inlet Gas Compressed Air

Chemical compatibility information available upon request.

Materials of Construction: (Standard Option)	Media: Hydrophobic PTFE Media Supports: Polypropylene Cage, Core, End Caps: Polypropylene O-Rings: Silicone (when present)
Fitting Connections:	See ordering guide for the availability. (Custom adaptors available upon request)
Nominal Dimensions:	Length: 10", 20", 30", 40" Diameter: 3.54" (90 mm)
Effective Filtration Area (Single-layer)	10": 0.67 m ² ; 20": 1.4 m ² ; 30": 2.1 m ² ; 40": 2.7 m ²
Operating Conditions	Maximum Operating Pressure: Liquid: 5.5 bar (80 psi) at 22°C (72°F); Gas: 4.1 bar (60 psi) at 22°C (72°F)
	Maximum Forward Differential Pressure: 5.0 bar (72 psi) at 72°F/22°C
	Maximum Reverse Differential Pressure: 3.0 bar (44 psi) at 72°F/22°C
	Maximum Operating Temperature: 176°F/80°C
Integrity Testing*	0.2 µm 60% isopropanol/40% water bubble point of ≥1.2 bar (17.4 psi) using air at 22 °C.
USP Class VI	All components or raw materials used in this product conform to the requirements of USP Class VI Biological Reactivity Tests for Plastics.
Bacterial Endotoxins	An aqueous extraction of this product contains <0.25 EU/ml as determined by the Limulus Amebocyte Lysate (LAL) Test.
Bacterial Retention	This product is quantitatively retentive towards <i>Brevundimonas diminuta</i> (ATCC #19146) at a minimum challenge level of 10 ⁷ CFU per cm ² of filtration area, consistent with ASTM F838-05.
Sterilization	This product can be autoclaved up to 25 cycles at 125°C (257°F) for 30 minutes.

*All filters are 100% integrity tested

PureFlo® PTFE Full-Size Filters Capsules

PureFlo PTFE Full-size Capsule Filters Ordering Guide

Capsule Series	Configuration	Length	Filter Media Grades	Vents/Drain	Inlet Fitting	Outlet Fitting
L= PureFlo Full-Size Pharma Grade Capsule	I = In-line T = T-line	1 = 10" 2 = 20" 3 = 30" 4 = 40"	F020 = 0.2 µm PTFE membrane	<u>I-Line:</u> F = 1/4" Bleed valve G = 1/4" Bleed valve (near inlet only) H = 1/4" Bleed valve (near outlet only) N = No vent or drains <u>T-Line:</u> A = 1/4" Bleed valve drain B = 1/2" Sanitary vent, 1/4" Bleed valve drain D = 1/2" Sanitary vent, 1/4" Bleed valve vent/drain G = 1/4" Bleed valve vent/drain N = No vent or drains	3H 4H 4Q 5H 6H 8H MT TC T2 S2	3H = 3/8" hose barb (multi) 4H = 1/2" hose barb (multi) 4Q = 1/2" male quick coupling (for plastic latch) 5H = 9/16" hose barb (multi) 6H = 3/4" hose barb (multi) 8H = 1" (25 mm) hose barb MT = 1/2" tri-clamp TC = 1.5" tri-clamp T2 = 2" tri-clamp S2 = 2" tri-clamp with stainless steel insert
L	T	1	F020	G	5H	5H
Example: LT1F020G5H5H (Full-size capsule, 0.2 µm PTFE membrane, 9/16" hose barb (multi) inlet/outlet, bleed valve upstream vent/drain.)						

Custom adapters are available upon request.



Saint-Gobain Performance Plastics
 Filtration Technologies
 50 W Watkins Mill Rd
 Gaithersburg, MD 20878 USA
 Tel: (703) 335-9910
 Fax: (703) 574-8060
www.filtration-fls.saint-gobain.com

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