

# PureFlo® PTFE Junior Capsule Filters

## Typical Uses

Venting  
Bioreactor Inlet Gas  
Compressed Air

PureFlo® PTFE Junior 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.

<b>Materials of Construction</b>	Media: Hydrophobic PTFE Media Supports: Polypropylene Cage, Core, End Caps: Polypropylene O-Rings: Silicone (when present)
<b>Fitting Connections</b>	See ordering guide for availability. (Custom adaptors available upon request)
<b>Nominal Dimensions</b>	Body Length: 41 mm (1.6") Diameter: 41 mm (1.6")
<b>Effective Filtration Area</b>	260 cm <sup>2</sup>
<b>Operating Conditions</b>	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 psid) at 22°C (72°F)
	Maximum Reverse Differential Pressure 2.1 bar (30 psid) at 22°C (72°F)
	Maximum Operating Temperature 176°F/80°C
<b>Integrity Testing*</b>	0.2 µm 60% isopropanol/40% water bubble point of ≥1.2 bar (17.4 psi) using air at 22 °C
<b>USP Class VI</b>	All components or raw materials used in this product conform to the requirements of USP Class VI Biological Reactivity Tests for Plastics.
<b>Bacterial Endotoxins</b>	An aqueous extraction of this product contains <0.25 EU/ml as determined by the Limulus Amebocyte Lysate (LAL) Test.
<b>Bacterial Retention</b>	This product is quantitatively retentive towards <i>Brevundimonas diminuta</i> (ATCC #19146) at a minimum challenge level of 10 <sup>7</sup> CFU per cm <sup>2</sup> of filtration area, consistent with ASTM F838-05.
<b>Sterilization</b>	This product can be autoclaved up to 25 cycles at 125°C (257°F) for 30 minutes.

\*All filters are 100% integrity tested

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## PureFlo® PTFE Junior Capsule Filters Ordering Guide

PureFlo Junior Capsule Filters	Filter Media Grade		Inlet Fitting	Outlet Fitting	Options
JKP= PureFlo Junior pharma grade capsule	F020 = 0.2 µm PTFE membrane		1H 1Q 2H  2NO 2Q 3H LF LM MT	1H = 1/8" hose barb 1Q = 1/8" male quick coupling 2H = 1/4" hose barb 2H-FB = 1/4" hose barb with filling bell 2H-FC = 1/4" hose barb with filling bell with cap 2NO = 1/4" straight thread with O-ring 2Q = 1/4" male quick coupling 3H = 3/8" hose barb LF = female Luer lock LM = male Luer lock MT = 1/2" tri-clamp	<b>Vent &amp; Drain</b>
					- N = No vent/drain - NI = No vent/drain near inlet - NO = No vent/drain near outlet  (Leave blank for one vent/drain near inlet and one vent/drain near outlet)
JKP	F	O20	LF	LF	(blank)
<b>Example: JKPF020LFLF</b> (Junior size capsule filter, 0.2 µm PTFE membrane with female Luer lock inlet/outlet and two Luer lock vent/drain)					

Custom adapters are available upon request.



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