

PureFlo® Polyethylene (PE) Junior Capsule Filters

Applications

Venting
Bioreactor Inlet Gas
Compressed Air

Gamma Stable | Single-use

PureFlo® Polyethylene (PE) Junior Capsule Filters are designed for sterile vent and compressed air applications in the pharmaceutical industry. The unique PE membrane offers higher flow rates than typical gamma-compatible vent filters. The high flow rate and compact design allows for efficient integration, minimizing the space and weight of the vent filter in single-use systems. 100% of these capsule filters are integrity tested during the manufacturing process to assure product quality.

Materials of Construction	Media: Polyethylene Media Supports: Polyethylene Cage, Core, End Caps: Polyethylene O-Rings: Silicone (when present)
Fitting Connections	See ordering guide for availability. (Custom adaptors available upon request)
Nominal Dimensions	Body Length: 41 mm (1.6") Diameter: 41 mm (1.6")
Effective Filtration Area	130 cm 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 bar (72 psi) at 22°C (72°F)
	Maximum Reverse Differential Pressure 2.1 bar (30 psi) at 22°C (72°F)
	Maximum Operating Temperature 140°F/60°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 is compatible with gamma irradiation up to 50 kGy.

*All filters are 100% integrity tested.

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PureFlo Junior Capsule Filters	Filter Media Grade	Inlet Fitting	Outlet Fitting	Options
JKP= PureFlo Junior-Size Pharma Grade Capsule	UE020 = 0.2 µm Polyethylene 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 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	Vent & Drain
				- 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	UE020	2H	2H	(blank)
Example: (JKPUE0202H2H): JKP Series Pharma Grade Capsule, 0.2 µm polyethylene membrane with 130 cm ² EFA, female Luer lock inlet/outlet and two Luer lock vent/drain				

Custom adapters are available upon request.



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