

Description



The Micro Junior Series features a variety of adapters and cartridge lengths to accommodate different housing models. It is available with optional filtration media designed for a wide range of applications in the food & beverage and life science industries. Each unit is manufactured, integrity-tested, and double-bagged in an ISO-class cleanroom to ensure exceptional cleanliness and reliable performance.

- **Maximum operating pressure:**

Forward: 3.4 bar (50 psi) @20°C(68°F); 2 bar (72.5 psi) @50°C(122°F)

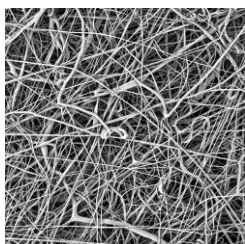
Reverse: 2 bar (29 psi) @20°C(68°F) ; 1.5 bar (22 psi) @50°C(122°F)

- **Component Material Toxicity:**

All component materials are nontoxic per current USP Class VI Biological Test for Plastics.

Indirect Food Additive: All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.

Micro Junior Clean Series



- **Materials:**

Medium: Polypropylene fiber

Core ,shell and caps : Polypropylene

Support layer: Polypropylene

- **Removal Ratings:**

0.6, 1, 3, 5, 7, 10, 20, 30, 50 µm

Benefits & Features

- Wide chemical compatibility: Suitable for filtering aqueous and organic liquids
- High capacity: The graded-density structure offers high dirt-holding capacity

Applications

- Clarification of fermentation broth
- Removal of cell debris and carbon in biopharmaceuticals
- Prefiltration in chemical processes
- Reduces bioburden in the upstream process flow

Micro Junior PES Series

- **Materials:**

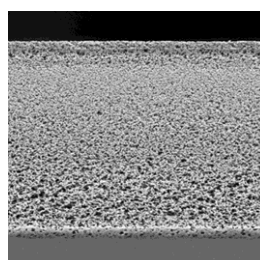
Medium: Hydrophilic Polyethersulfone

Core ,shell and caps : Polypropylene

Support layer: Polypropylene

- **Removal Ratings:**

0.1, 0.2, 0.45, 0.65, 0.8, 1.2 µm

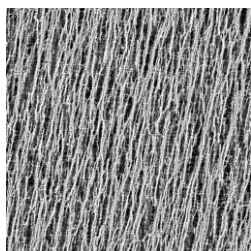


Benefits & Features

Applications

- PES membrane with asymmetric pore structure for improved hydrophilicity and higher flow rate.
- Unique pleated technology ensures higher filtration capacity per unit.
- Broad chemical compatibility.
- Prefiltration of particles and impurities in process fluids.
- Reduction of colloids in process fluids.
- Sterilizing or bioburden filtration.
- Low protein binding filtration.

Micro Junior Fluoro Series



- **Materials:**
Medium: Hydrophobic ePTFE
Core ,shell and caps : Polypropylene
Support layer: Polypropylene
- **Removal Ratings:**
0.2 µm

Benefits & Features

- Naturally hydrophobic, suitable for filtration of organic solvents or gas.
- High throughput and high retention efficiency.
- Broad chemical compatibility.

Applications

- Removal of impurities from organic solvents.
- Sterilizing or bioburden of air filtration.
- Ventilation filtration.

Ordering Information

MJ	PS	B45	S	S	KC	A
Product Name	Grade	Rating (um)	Area	O-ring	Code Number	Pre-Flush
Micro Junior (OD 56mm)	CS: PP fiber standard	B20: 0.2	H: 500 sq.cm	E: EPDM	AC: 116 inner seal/Cap	A: Pre-Flush
	PS: PES standard	B45: 0.45	S: 1000 sq. cm	S: Silicone	BC: 116 inner seal w groove/Cap	with DIW
	FS: PTFE standard	C10: 1	D: 1500 sp.cm	V: FKM	CC: 116 inner seal w groove & SUS ring/Cap	N: Non
		C30: 3	L: 2100 sq. cm	T: FEP	DC: 2-118 seal /Cap	Pre-Flush
		C50: 5		encapsulated	EC: 2-118 seal w 4 locking tabs (Pal)/Cap	
		D10: 10		FKM	FC: 2-118 seal w 4 locking tabs (Sar)/Cap	
		D20: 20			GC: 1/2" NPT Male/Cap	
		D30: 30			HC: 2-123 w locking tabs/Cap	
		D50: 50			IC: 2-126 w 2 tabs/Cap	
					JC: 1" TC/Cap	
					KC: 80mm bell adapter/Cap	

Dimensions

- L= 32, 63, 68, 94, 124mm optional.

