

PureFlo® Junior Z Cartridges Compact Filtration

Multi-Use Junior Z Cartridge

PureFlo® Junior Z Cartridges are ready-to-use filters that offer high flows, increased throughputs, and high strength, all with the convenience of a small package. The Z-style construction allows for easy pre- and post-use integrity testing. It is designed for small applications in pharmaceutical, biotechnology, food and beverage, medical, chemical, and DI water industries.

PureFlo® Junior Z Cartridges are available with a variety of hydrophilic and hydrophobic filter medias and pore sizes for liquid, gas, and venting applications. Process engineers can choose from 5 filtration medias to meet their needs.

The PureFlo® Junior Z Cartridges can be built with several configurations and used without a housing. The cage and core are constructed of gamma stable polypropylene and the endcap/fitting is nylon, providing excellent chemical compatibility with low levels of extractables.

The filter is manufactured by thermal bonding. No adhesives or binders are used in the bonding process.



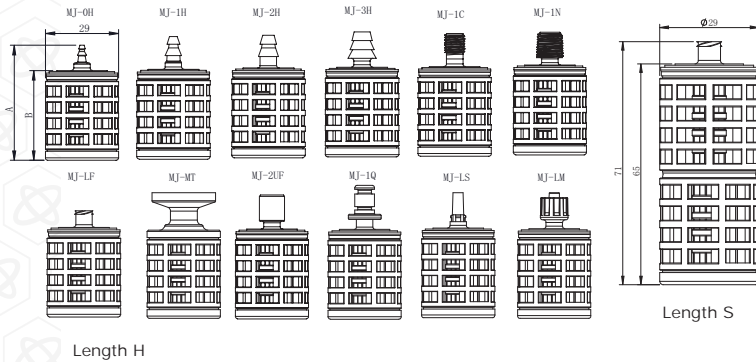
Applications

Clarification	Water & Wine
Hard Particle	Food & Beverages
Vacuum Pump	Pharmaceuticals
Chemicals	Biologics
Inks, Dyes	Tank Vent
Aerator	Vent

Specifications

Materials of Construction:	Media: Charged Nylon, PTFE (hydrophilic), Nylon, PES Media Supports: Polyester Cage, Core, End Caps: Nylon Sealing: Thermally bonded
Fitting Connections:	12 Fittings - see ordering guide for availability. (Custom adaptors available upon request)
Nominal Dimensions:	Lengths: 1.5" (38 mm) without fittings, 2.5" (63.5 mm) without fittings Diameter: 1.14" (29 mm)
Effective Filtration Area:	260 cm ² for single layer membrane, 230 cm ² for double layer membrane 200 cm ² for Depth and Screen Media
Available Ratings:	0.04 µm - 200.0 µm (Dependent on Media)
Operating Conditions:	Maximum Operating pressure: 5 bar (72.5 psi) at 22°C Maximum Operating Temperature: 80°C
Regulatory Compliance:	The filters are constructed with polypropylene resins and filtration media in compliance with 21 CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastics.

PureFlo® Junior Z Cartridges



Code name	Outlet Fitting	H Size (1.5" ±1)			S Size (2.5" ±1)		
		A	B	C	A	B	C
MJ-OH	1/16"-3/32" Hose Barb	45.5	35.5	Ø29	74.5	64.5	Ø29
MJ-1H	1/8"-3/16" Hose Barb	48.5	35.5	Ø29	77.5	64.5	Ø29
MJ-2H	3/16"-1/4" Hose Barb	48.5	35.5	Ø29	77.5	64.5	Ø29
MJ-3H	1/4"-3/8" Hose Barb	49.5	35.5	Ø29	78.5	64.5	Ø29
MJ-1C	1/8" Compression	48.5	35.5	Ø29	77.5	64.5	Ø29
MJ-1N	1/8" MNPT	48.5	35.5	Ø29	77.5	64.5	Ø29
MJ-LF	Luer Lock Female	42	35.5	Ø29	71	64.5	Ø29
MJ-MT	1/2" Tri clamps	50	35.5	Ø29	79	64.5	Ø29
MJ-2UF	1/4"-28 UNF 2B	49	35.5	Ø29	78	64.5	Ø29
MJ-1Q	1/8" Male Quick Coupling	53	35.5	Ø29	82	64.5	Ø29
MJ-LS	Luer Lock Male Slip	49.5	35.5	Ø29	78.5	64.5	Ø29
MJ-LM	Luer Lock Male	50	35.5	Ø29	79	64.5	Ø29

PureFlo® Junior Z Cartridge Ordering Guide

PureFlo Junior Cartridge	Filter Media	Pore Size (Micron)	Length	End Modification	Options	
MJZ Junior Cartridge Nylon construction, Polyester pleat supports	CN = Charged Nylon HF = Philic PTFE N = Nylon S = PES ZS = Extended Life Polyethersulfone	Pick From Pore Size Table	H = 1.5"	OH = 1/16-3/32" Hose Barb 1C = 1/8" Compression 1H = 1/8-3/16" Hose Barb 1N = 1/8" NPTM 1Q = 1/8" Male Quick Coupling 2H = 3/16-1/4" Hose Barb 2UF = 1/4-28 thread Female 3H = 1/4-3/8" Hose Barb LF = Luer Lock Female LM = Luer Lock Male LS = Male Luer Slip MT = 1/2" Tri Clamp	Core/ Cage Material	O-Rings
			S = 2.5"			
					Sterilization	PreFilter (add before Filter Media in part#)
					-ETO = Ethylene oxide sterilization	G(pore Size) = Glass Fiber PreFilter P(pore Size) = PolyPro Media PreFilter S(pore Size) = PES PreFilter
Example - MJZ Series, PES, 0.2um, no prefilter, 1/4" Hose Barb I/O is MJZS020H2H						
Quick Couplings are molded, compatible with CPC (Colder), LinkTech and others.						

Charged Nylon (CN)	Philic PTFE (HF)	Nylon (N)	PES (S)	Extended Life PES (ZS)
005 = 0.05	010 = 0.1	005 = 0.05	005 = 0.05	010 = 0.10
010 = 0.10	020 = 0.2	010 = 0.10	010 = 0.1	020 = 0.20
020 = 0.20	045 = 0.45	020 = 0.20	020 = 0.2	045 = 0.45
045 = 0.45	100 = 1.0	045 = 0.45	045 = 0.45	
065 = 0.65	300 = 3.0	065 = 0.65	065 = 0.65	
080 = 0.80	500 = 5.0	080 = 0.80	080 = 0.8	
120 = 1.20	999 = 10.0	120 = 1.20	120 = 1.2	

Your Local Distributor:

ZenPure

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