

## PureFlo® JZP Junior Capsules Compact Filtration

### Small Disposable Process Filtration

PureFlo® JZP Junior capsule filter assemblies are ready-to-use filters that offer easy to integrity testing pre and post filtration. This is for strangle pharmaceutical applications where quick integrity validation is critical to move the product along. This unit provides high throughputs, high strength, all with the convenience and cleanliness of a disposable and easy-to-install filter assembly in a small package. Designed for small final filtration applications, in pharmaceutical, biotechnology, food and beverage, medical, chemical, and DI water applications.

PureFlo® JZP Junior capsule assemblies are available with hydrophilic PES, Nylon and Charged Nylon and hydrophilic PTFE filter medias and pore sizes for liquid, gas, and venting applications. Process engineers can choose from 4 filtration medias to create any combination of **integrated** filtration. These will allow the disposable processing to become truly flexible, clean, and optimal. Also available with no media.

They can be built with several configurations, with 10 inlet and 12 outlet fitting connections that can be mixed and matched. The filtration shell is of Nylon construction that provides excellent chemical compatibility with low extractables. No adhesives, binders, or surfactants are used in the manufacturing process.



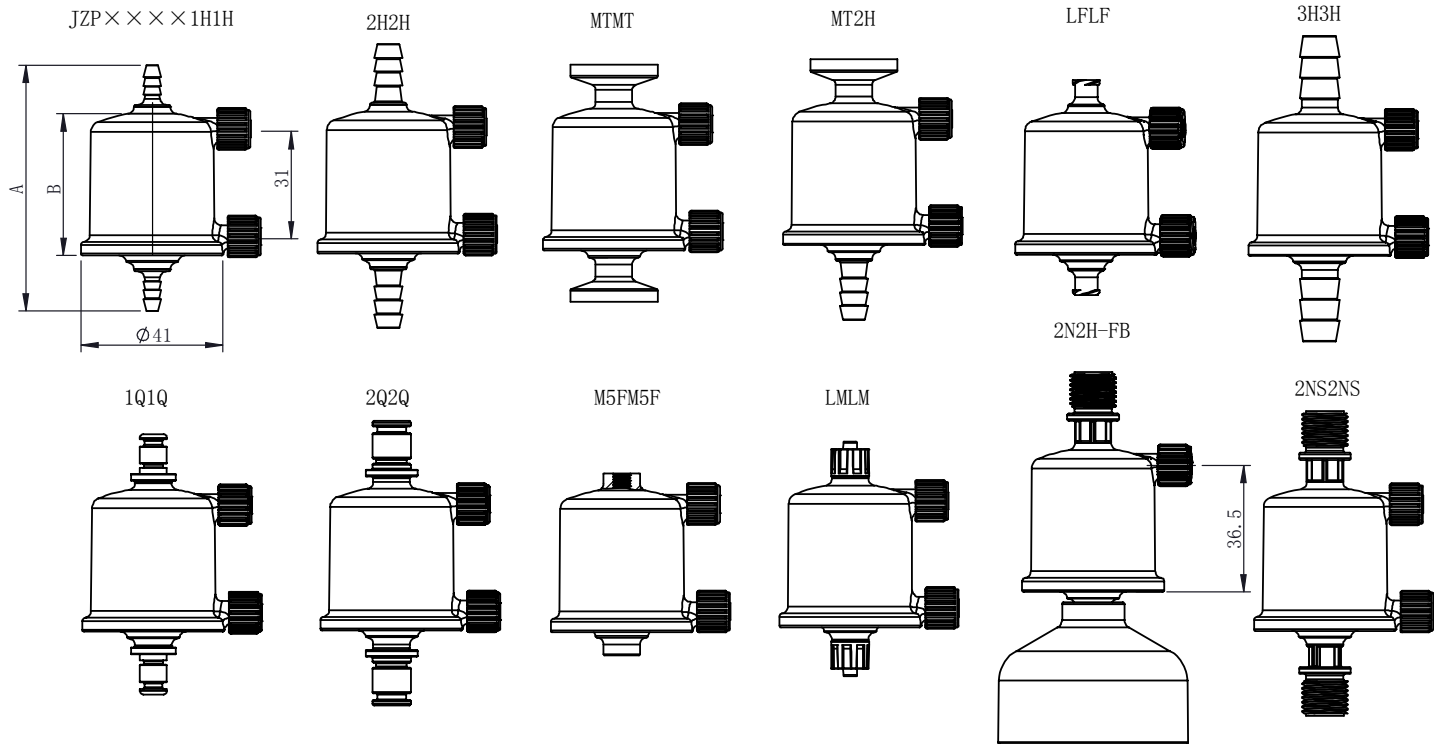
### Applications

Diagnostics	Water & Wine
Hard Particle	Food & Beverages
Cell Removal	Pharmaceuticals
Chemicals	Biologics

### Specifications

Materials of Construction:	Media: Charged Nylon, Philic PTFE, Nylon, PES Media Supports: Polyester Shell, Cage, Core, End Caps: Nylon Sealing: Thermally bonded
Fitting Connections:	Five Fittings - See Ordering Guide for availability. (Custom adaptors available upon request)
Nominal Dimensions:	Lengths: 1.6" (41mm) without fittings Diameter: 1.6" (41mm)
Effective Filtration Area:	260cm <sup>2</sup> for single layer membrane, 230cm <sup>2</sup> for double layer membrane
Available Ratings:	0.04um - 10.0um (Dependent on Media)
Operating Conditions:	Maximum Operating pressure: Liquid: 5.5 bar (80psi) at 72°F/22°C Minimum Burst Pressure: 8.3 bar (120psi) at 72°F/22°C Maximum Forward Differential Pressure: 5 bar (72psi) at 72°F/22°C Maximum Reverse Differential Pressure: 2.1 bar (30psi) at 72°F/22°C Maximum Operating Temperature: 176°F/80°C
Regulatory Compliance:	The filters are constructed with nylon resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastics.

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Code name	Inlet/Outlet	Vent/Drain	Size (±1.5mm)	
			A	B
JZP××××1H1H	1/8" Hose barbs	Female Luer Lock	71	41
JZP××××2H2H	1/4" Hose barbs	Female Luer Lock	82	41
JZP××××MTMT	0.5" Tri clamps	Female Luer Lock	69	41
JZP××××MT2H	0.5" Tri clamps/1/4" Hose barbs	Female Luer Lock	75	41
JZP××××LFLF	Luer Lock Female	Female Luer Lock	62	41
JZP××××3H3H	3/8" Hose barbs	Female Luer Lock	88	41
JZP××××1Q1Q	1/4" Male Quick Coupling	Female Luer Lock	75	41
JZP××××2Q2Q	1/8" Male Quick Coupling	Female Luer Lock	82	41
JZP××××M5FM5F	M5	Female Luer Lock	53	41
JZP××××LMLM	Luer Lock Male	Female Luer Lock	68	41
JZP××××2N2HFB	1/4"NPT MAIL/1/4" Hose barbs	Female Luer Lock	108	41
JZP××××2N2N	1/4"NPT MAIL/1/4" NPT MAIL	Female Luer Lock	88	41

### Specifications (cont.)

**Autoclavable & Sanitizable:** Capsules can be autoclaved 25 times at 257°F/125°C for 30 minutes (5 times for Nylon) or chemically sanitized in situ using common sanitizing agents or hot water at 194°F/90°C for a limited time (dependent on time and temperature). Capsules must not be in situ steam-sterilized.

### Bacterial Endotoxin:

Effluent is non-pyrogenic per USP Bacterial Endotoxin (0.25 EU/ml), determined using Limulus Amebocyte Lysate (LAL) Test.

## PureFlo® JZP Junior Capsules



### PureFlo® JZP Junior Filter Capsule Ordering

PureFlo Junior Capsule Filters	Filter Media	Pore Size (Micron)	Effective Filtration Area	Inlet Fitting	Outlet Fitting	Options	
JZP = Capsule Filter Pharma grade	CN = Charged Nylon HF = Hydrophilic PTFE N = Nylon S = PES		Blank = Standard - 200-260cm2 Media Dependent	1H 1Q 2H	1H = 1/8" Hose Barb 1Q = 1/8" Male Quick Coupling 2H = 1/4" Hose barbs	Sterilization	O-Rings
		Pick From Pore Size Table	B = 150cm2	2N 2Q 3H 5MF LF LM MT	2H -FB= 1/4" Hose barbs with Filling Bell 2H -FC= 1/4" Hose barbs with Filling Bell with Cap 2N = 1/4" MNPT 2Q = 1/4" Male Quick Coupling for Metal latch 3H = 3/8" Hose Barb 5MF = M5 Female thread LF = Female Luer Lock LM = Male Luer Lock MT = 1/2" Tri clamps	-ETO = Ethylene oxide	-OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton
						Vent & Drain	Blank = O-ring Silicon (Standard)
						-N= No vent or drain -NI = No vent or drain Inlet fitting -NO = No vent or drain Outlet fitting	Prefilter (add before Filter Media in part#) G(pore Size)= Glass Fiber PreFilter P(pore Size)= PolyPro Media PreFilter S(pore Size) = PES PreFilter
Nylon end-caps							
Polyester Membrane support							
Nylon Shell, Cage & Core							
Example - JZP Series, PTFE, 1.0um, no prefilter, 1/4" Hose Barb I/O is JZPLF1002H2H							
Example - JZP Series, Pharma Grade, PES 0.8um prefilter, PES 0.2um, 1/4" Hose Barb I/O is JZPS0800202H2H							

Pore size (Micron)			
Charged Nylon (CN)	PTFE Phillic (HF)	Nylon (N)	PES (S)
005 = 0.05	010 = 0.10	005 = 0.05	004 = 0.04
010 = 0.10	020 = 0.20	010 = 0.10	010 = 0.1
020 = 0.20	045 = 0.45	020 = 0.20	020 = 0.2
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	120 = 1.20	120 = 1.2

Your Local Distributor:

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