

Pharmaceutical Grade

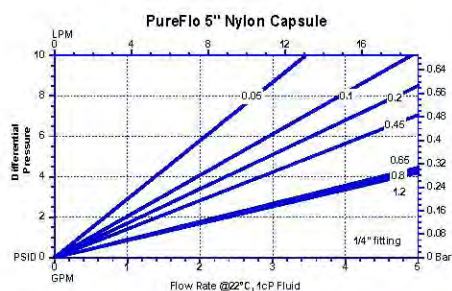
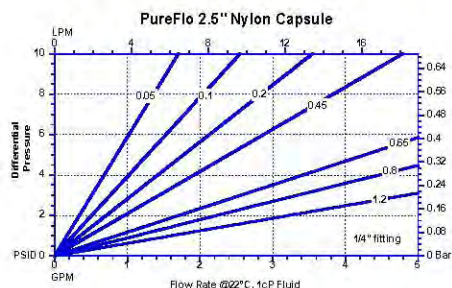
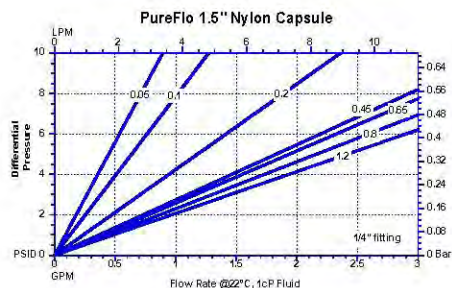
The capsules were specifically designed with an easy-to-wet-out structure of nylon membrane, polyester (PET) support and internal nylon end caps. The units have built-in bleed valves for simple and efficient evacuation of air and liquid. The units are used for filtration of small to medium volumes of fluid for processing in production, laboratory and pilot runs. No adhesives, binders, or surfactants are used in the manufacturing process of these capsules. They are rinsed with pyrogen-free water to reduce extractables and speed production. All filter capsules are 100% integrity-tested to ensure filter performance each and every time out of the package. The capsule can be ordered pre-sterilized.

Applications	
Buffers and Media	Fermentation Broths
Product Sterilization	SVP (Small Volume Parenterals)
BioBags	Pharmaceuticals
Vaccines	Biologics
Antibiotics	Scale-up Processing
Water	Serums

ZenPure



SZV Series Nylon Capsules



Specifications (cont.)

Bacterial Retention:

Complete retention of $> 10^7$ organisms/cm² of *Brevundimonas diminuta* in accordance with the current HIMA challenge methodology (ASTM F838-83). Validation guide available upon request.

Autoclavable & Sanitizable:

Capsules can be autoclaved 3 times at 125 °C (257 °F) for 30 minutes or chemically sanitized in situ using common sanitizing agents or hot water at 90 °C (194 °F) for a limited time (dependent on time and temperature). Capsules must not be in situ steam-sterilized.

Water Bubble Point Specification:

0.1 µm: 23 psi (0.16 MPa) in IPA
0.2 µm: 50 psi (0.35 MPa)



Bacterial Endotoxin:

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

PureFlo SZV Series Nylon Capsule (Pharmaceutical grade) Ordering Guide

PureFlo Capsule Filters	Filter Media	Pore size (Micron)	Internal Filter Length	Input Fitting	Output Fitting	Options
SZV	N = Nylon with PET Supports	Nylon (N)	H = 1.5"	1H = 1/8" Hose Barbs	1H = 1/8" Hose Barbs	Shell Material
		Blank = Polypro construction	O-Rings			
PP Shell & Nylon end-caps	N = Nylon with PET Supports	005 = 0.05	S = 2.5"	1NF = 1/8" RNPT	1NF = 1/8" RNPT	Blank = O-ring Silicone (Standard)
		010 = 0.10	L = 5"	1QF = 1/8" Female Quick Coupling with Metal Latch	1QF = 1/8" Female Quick Coupling with Metal Latch	-OE = O-ring EPDM
Polyester support	N = Nylon with PET Supports	020 = 0.20	E = 7.5"	2H = 1/4" Hose Barbs	2H = 1/4" Hose Barbs	-ON = O-ring Nitrile
		045 = 0.45	K = 10"	2N = 1/4" MNPT	2N = 1/4" MNPT	-OV = O-ring Viton
Polypropylene Cage & Core	N = Nylon with PET Supports	065 = 0.65		2NF = 1/4" RNPT	2NF = 1/4" RNPT	Filling Belts
		080 = 0.80		2Q = 1/4" Male Quick Coupling for Metal Latch	2Q = 1/4" Male Quick Coupling for Metal Latch	Prefilter (add before Filter Media in part#)
Internal Silicone O-ring	N = Nylon with PET Supports	120 = 1.20		2QF = 1/4" Female Quick Coupling w/ Metal Latch	2QF = 1/4" Female Quick Coupling w/ Metal Latch	G(pore Size) = Glass Fiber Prefilter
				2QFP = 1/4" Female Quick Coupling w/ Plastic Latch	2QFP = 1/4" Female Quick Coupling w/ Plastic Latch	P(pore Size) = PolyPro Media Prefilter
70mm Diameter Capsule with Bleed Valve	N = Nylon with PET Supports			2QP = 1/4" Male Quick Coupling for Plastic Latch	2QP = 1/4" Male Quick Coupling for Plastic Latch	S(pore Size) = PES Prefilter
				2P = 1/4" Push to Connect	2P = 1/4" Push to Connect	
				2V = 1/4" Walther Quick Connect	2V = 1/4" Walther Quick Connect	
				3H = 3/8" Hose Barb	3H = 3/8" Hose Barb	
				3NF = 3/8" RNPT	3NF = 3/8" RNPT	
				4H = 1/2" Hose Barb	4H = 1/2" Hose Barb	
				4N = 1/2" MNPT	4N = 1/2" MNPT	
				4QP = 1/2" Male Quick Coupling for Plastic latch	4QP = 1/2" Male Quick Coupling for Plastic latch	
				MT = 1/2" Tri-clamps	MT = 1/2" Tri-clamps	
				TC = 1-1/2" Tri-clamp	TC = 1-1/2" Tri-clamp	
Example - PureFlo SZV Series Capsule, Nylon , 2.5" internal filter, 0.2 micron, with 1.5" Tri-Clamp fittings I/Q, would be SZV0205TCTC						
Quick Couplings are molded on. Female Quick Couplings with Plastic latch will be threaded on. Compatible with CPC (Colder), Link Tech and others. * - 2H or 3H with filling belt only.						

