

DEPTH FILTRATION

String-wound filters

Polypropylene yarn cartridges for suspended-particle removal.



Product family illustration. Final configuration may vary.

Designed around your application

Tightly wound textile fibres form a depth-filter medium around a supporting core. Select the winding grade, core and cartridge dimensions to suit the liquid and housing.

Typical applications

RO pretreatment · Process water · Food & beverage · Chemical processing

SPECIFICATION

Product construction

Parameter	Published specification
Filter medium	Polypropylene
Core	Polypropylene or stainless steel
Grades in physical overview	1, 5, 10, 25, 50 µm
Length	10, 20, 30, 40, 50, 70 inches
Diameter in physical overview	Outside: 60 mm · Inside: 28 mm
Maximum operating temperature	80°C
End configuration	Double open end
Packaging	Cardboard boxes on pallets

Selection matters

Confirm the liquid, operating temperature, pressure, micron rating and housing connection before ordering. Chemical compatibility and suitability depend on the selected configuration.

The original technical reference is retained at the end of this catalogue. Model-specific limits and source ambiguities must be confirmed with PureLife before specification.

CONFIGURATION

Specify your cartridge

Code field	Available options from the source
Media	P: polypropylene yarn · C: cotton
Micron code	01: 1 · 05: 5 · 10: 10 · 20: 20 · 30: 30 50: 50 · 75: 75 · 1H: 100 µm
Length code	10M: 250 ±1.5 mm · 10I: 254 ±1.5 mm 20M: 500 ±1.5 mm · 20I: 508 ±1.5 mm 30M: 750 ±2 mm · 30I: 762 ±2 mm 40M: 1000 ±2 mm · 40I: 1016 ±2 mm 50I: 1270 mm · 70I: 1778 mm
Core code	P: PP · S: 304 · T: 316 · F: stainless iron
Outside diameter code	25: 2.5 in (63.5 mm) · 45: 4.5 in (115 mm)
Inside diameter code	1: 28 mm · 2: 30 mm

Example: PPW-P-01-10M-P-25-1

Send your required micron rating, length, diameter, core, operating conditions and quantity to our technical team.

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DEPTH FILTRATION

To achieve depth filtration Pure Life's filter media is thicker in depth with pores smaller, equal or greater than the particles that need to be retained. That way even particles that are smaller than the surface pores can be retained. Depth filtration is much better contrary to simple surface filtration. Media that offer surface filtration, have essentially smaller pores, than the particles they need to retain. That way particles are retained in the surface area of the filter and the media becomes more vulnerable to escaping of particles or breaking.



PRODUCTS CODE TABLE

Item	Material	Precision	Length	Inner Core Material	OD	ID	Code Eg.
PPW	P:PP line	01:1um	10M:250±1.5mm	P:PP	25:2.5"(63.5mm)	1:28mm	PPW-P-01-10M-P-25-1
	C:Cotton	05:5um	10I:10"(254±1.5mm)	S:304	45:4.5"(115mm)	2:30mm	
		10:10um	20M:500±1.5mm	T:316			
		20:20um	20I:20"(508±1.5mm)	F:Stainless iron			
		30:30um	30M:750±2mm				
		50:50um	30I:30"(762±2mm)				
		75:75um	40M:1000±2mm				
		1H:100um	40I:40"(1016±2mm)				
		1H:100um	50I:50"(1270mm)				
		1H:100um	70I:70"(1778mm)				

