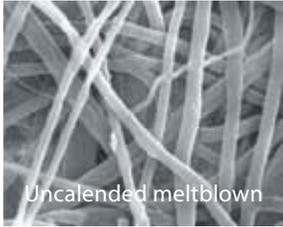
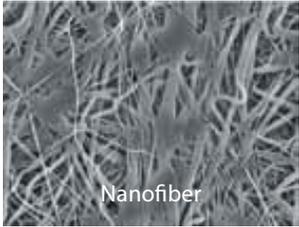


# ABSOGUARD® FILTER CARTRIDGES

## 99% EFFICIENT MULTI-LAYER POLYPROPYLENE MEDIA FILTERS FOR PRE-FILTRATION OF LIQUIDS

Absoguard® Filter Cartridges are all-polypropylene pleated depth filters. Characteristics include 99% efficient multilayer media with high particle holding capacity, long service life, and extremely high flow rates. They provide efficient retention of particles in critical applications.

FEATURE	BENEFIT
Two-layer pleated construction	Provides superior flow rate and extended service life.
	 
Nanofiber media	Provides excellent particle retention and filtration performance
All-polypropylene construction	100% polypropylene construction provides wide chemical compatibility

### QUALITY STANDARDS

Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001:2015 Practices. 100% Integrity tested and Lot traceable.
TOC / Conductivity at 25°C	Autoclaved filter effluent meets the USP <643> for Total Organic Carbon and USP <645> for Water Conductivity per WFI requirements after a UPW flush of specified volume.
Particle Shedding	Autoclaved filter effluent meets the requirements in USP <788> for large volume injections
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6) and EU framework regulation [1935/2004/EC].
Bacterial Endotoxin	Aqueous extraction of autoclaved filter contains < 0.25 EU/mL as determined by Limulus; Amebocyte Lysate (LAL), USP <85>.
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Cytotoxicity Test
USP <88> Biological Toxicity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics.
Indirect Food Additive	All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182.



### Typical Applications

- API
- Blood Products
- Cell Cultures
- Gel Materials

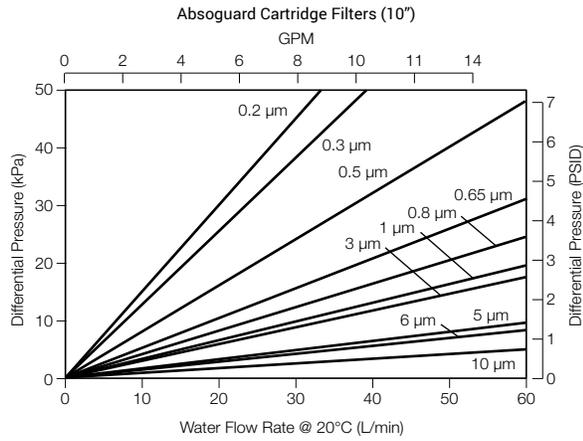
## SPECIFICATIONS

Filter media	Meltblown Polypropylene (Multiple Layers)
Supports/core/cage/endcaps	Polypropylene
Effective filtration area	≥0.37 - 0.68m <sup>2</sup> (4 - 7.3 ft <sup>2</sup> ) / Ø71-10 inch
O-rings	Silicone, EPDM, FKM, FEP/PFA encapsulated FKM
O-ring internal insert	PBT
Cartridge diameter	71 mm (2.8 in.)
Max. Operating temperature	80°C
Max. Differential pressure	Forward: 0.69 MPa (6.9 bar, 100 psi) at 25°C; 0.40 MPa (4.0 bar, 58 psi) at 60°C; 0.24 MPa (2.4 bar, 35 psi) at 80°C Reverse: 0.3 MPa (3.0 bar, 44 psi) at 25°C; 0.1 MPa (1.0 bar, 15 psi) at 80°C
Steam sterilization	up to 20 cycles for 30 minutes at 135°C at Max.Differential Pressure of 0.3 bar (4.3 psi)

## RETENTION

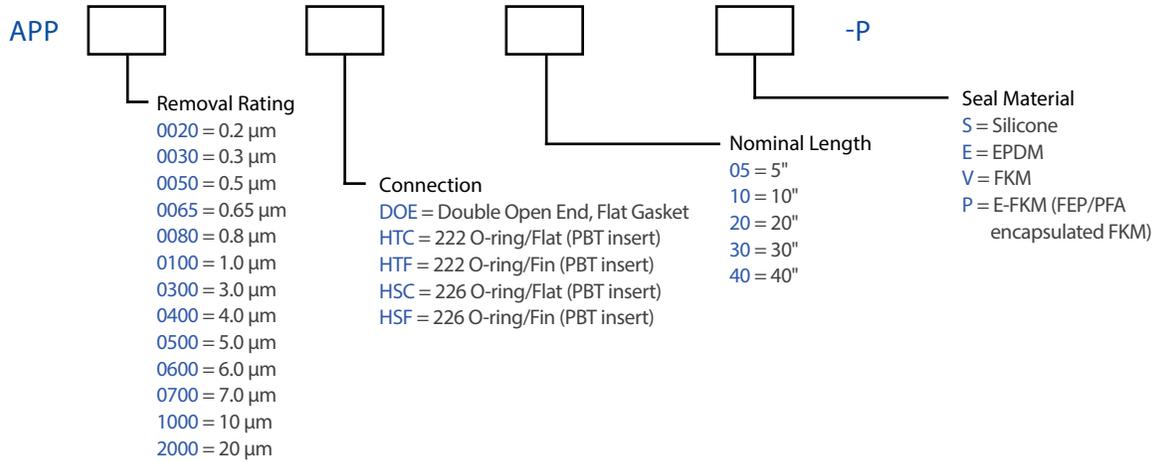
Specification	Retention Rate (%)							
	1.0 µm	3.0 µm	4.0 µm	5.0 µm	6.0 µm	7.0 µm	10 µm	20 µm
APP0020	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
APP0030	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
APP0050	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
APP0065	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
APP0080	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
APP0100	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99	≥ 99.99
APP0300	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99	≥ 99.99
APP0400	-	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98	≥ 99.99
APP0500	-	-	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90	≥ 99.98
APP0600	-	-	-	-	≥ 99.00	≥ 99.20	≥ 99.50	≥ 99.90
APP0700	-	-	-	-	-	≥ 99.00	≥ 99.20	≥ 99.50
APP1000	-	-	-	-	-	-	≥ 99.00	≥ 99.20
APP2000	-	-	-	-	-	-	-	≥ 99.00

## FLOW RATES



## ORDERING INFORMATION

EXAMPLE: APP0080HSF10E-C = 0.8 μm, 226/Fin, 10" filter with EPDM seals



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