

CSK series Nylon membrane Capsule Filters

CSK series Cartridge Filters with Nylon 66 membrane are 100% integrity tested, it is constructed of single -layer hydrophilic nylon66membrane.It offers broad chemical compatibility, higher filter area with high flowrates at low pressure drop and low extractables.



Benefits

- 100% integrity tested
- FDA food contact compliant
- Thermal bonding
- Non-fiber releasing

Typical Application

- Bottled Water
- Vinegar
- Aqueous solutions
- Beer, Wine and Spirits
- Juice, Soft Drink, Edible Oils
- Pharmaceutical intermediates

Construction Materials

- Filter Media: Nylon 66 Membrane
- Media Support: Polypropylene
- End Caps: Polypropylene
- Inner Core: Polypropylene
- Outer Cage: Polypropylene
- Sealing Method: Thermal Bonding

Sanitization/Sterilization

- Autoclavable
- Hot water

Toxicity

All components meet the specifications for biological safety per USP Class VI -121 °C for plastics.

Capsule Integrity

- Minimum burst pressure: 123.5 psi (8.5 barg)

Filter Area

- 500 cm²
- 1000 cm²
- 1500 cm²
- 2100 cm²

Food Safety Compliance

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR.

Materials used to produce filter media and hardware are safe for use in contact with foodstuffs in accordance with EU Directives 10/2011.

Maximum Operating Conditions

- Maximum operating pressure
 - Liquid: 5 bar (80psi) at 77°F/25°C
 - Gas: 3.5 bar (60psi) at 77°F/25°C
- Maximum Operating Temperature: 80 °C
- Autoclave at 125 °C, 30 minutes and 25 cycles
- Autoclave at 135 °C, 30 minutes and 15 cycles

Capsule Integrity Test Specifications

Pore Size	Min.Bubble Point
0.1 µm	3.5 barg@22°C
0.2 µm	2.8 barg@22°C
0.45 µm	1.8 barg@22°C
1µm	0.6barg@22°C

Eg.=> CSKNY0010GN054NMNN0

ORDERING INFORMATION								
Product Type	Membrane Type	Membrane pore size	Application	Sterilization	Size	Fittings in / out	Vent/Drain	Revision
CSK = Capsule Filter	NY = Nylon	0010 = 0.1µm	G = Gen Purpose	N = Not Sterile	05= 500 cm ²	4NM=1/4"NPT-M	NN = None	0 = Bag label
		S = Sterile		10 = 1000cm ²	8NM = 3/8" NPT-M	1 = Housing Label		
				15 = 1500cm ²	2NM = 1/2" NPT-M			
				21 = 2100cm ²	8NF = 3/8" NPT-F			
					4SL = 1/4" Swagelok			
					5SL = 5/16" Swagelok			
					8SL = 3/8" Swagelok			
					4CM = 1/4" CPC-PLC-M			
					4HB = 3/4" HB			
					8HB = 3/8" HB			
					48B = 1/4"-3/8" HB			
					1TC = 1" TC			