

NYL Capsules

Pleated membrane in Nylon 66

Filtration grade : from 0.2 to 1.2 micron

Sterilization and microbiological stabilization of pharmaceutical, biological, chemical, solvents, perfumes, mouthwashes, water, wine, beer, beverages.

PRODUCT INFORMATION

NYL capsules are built with a polypropilene casing and a Filter NYL filtering module containing Nylon 66 membrane. They have high mechanical, thermal and chemical resistance.

The high hydrophilicity of the membrane and the large filtering surface guarantee autonomy and long operating life.

Filtration grade

0,2 - 0,45 - 0,65 - 0,8 and 1,2 micron

Length

5" - 10" - 20" - 30" inches with filtering module of Ø 70mm
2,5" - 5" inches with filtering module of Ø 56mm (Junior)

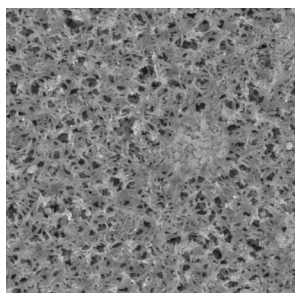
Connections

Clamp - Hosebarb - Threaded (check the information section to order)



NYL Capsules

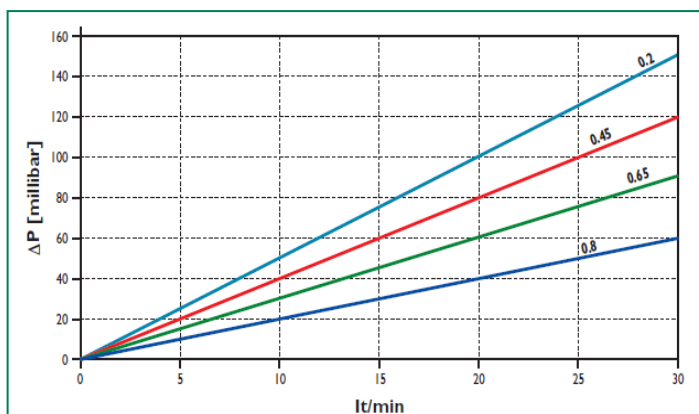
- ⇒ Produced in clean room
- ⇒ Integrity check on each single module before shipment.
- ⇒ Compliant with USA and CE rules
- ⇒ Wide range of filtration grade



NYL membrane
Electron microscope photography

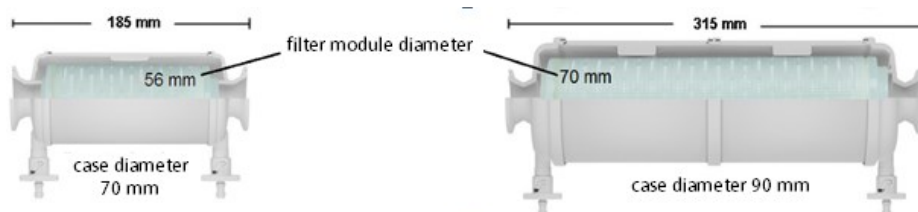
NYL capsule performances

Water at 20°C per 10" Capsule



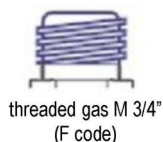
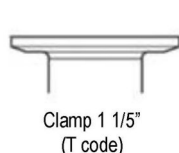
SPECIFICATIONS

Materials of construction		Microbiological retention per filtration grade	
Capsule casing	Polypropilene	0,2 µm	<i>Brevundimonas diminuta</i> TR>10 ⁷ /cm ²
OR vent drain valves	Silicone standard	0,45 µm	<i>Serratia marcescens</i> TR>10 ⁷ /cm ²
Filter Membrane	Nylon 66	0,65 - 0,8 - 1,2 µm	<i>Saccaromices cerevisiae</i> TR>10 ⁷ /cm ²
Support and drainage layers	Polypropilene		
Filter Membrane cage	polypropilene		
Operatin Parameters		Sterilization and sanification	
Maximum operating temperature	50°C	In autoclave	Up to 130°C for 30 minutes
Maximum operating pressure	5,0 bar at 20°C	Hot water	Up to 50°C for 30 minutes
Dimensions of the filtering module		Integrity Test	
<i>Junior</i> (esternal Ø 56mm) length: 2,5"- 5" inches		The specific test values for the different filtration rates are given in the instructions for use attached to the capsule packaging	
<i>Standard</i> (esternal Ø 70mm) length: 5"- 10"- 20"- 30" inches			
Biological Safety and extractables		Regulatory compliance	
Capsules pass toxicity tests of particles and fibers release. They comply with USP requests for TOC, conductivity and bacterial endotoxins (determined with LAL test)		Materials comply with requirements of CFR21 Part 177 of USP, IV Class - 121°C for plastic products and Regulation 1935/2004/EC for contact with food products	



INFORMATION TO ORDER

Connections IN/OUT:



NYL	T	10	002	S
Product information	Connections	Length	Filtration grade	Gaskets
	T= clamp 1 1/2 H= Hose barb 1/2" for junior F= Threaded / gas male 3/4" S= staubli hose barb A= threaded NPT 1/2" for junior B= threaded NPT 1/4" for junior	Module Ø 70 mm 05=5" 10=10" 20=20" 30=30" Module Ø 56 mm J5=5.0" J2=2.5"	002 = 0,2 µm 004 = 0,45 µm 006 = 0,65 µm 008 = 0,8 µm 012 = 1,2 µm	E = EPDM S = Silicone V = FPM X = FEP

IPM s.r.l. - Sistemi di filtrazione - Via Madre Teresa, 22 - 20851 Lissone (MB) - Italy

IPM reserves the right to modify any product feature for technical reasons to offer customers the best technology. For clarifications, please contact IPM.

For orders and information requests
 E-mail: ipm@ipmfilters.com
 Tel. +39 0392145244
 Fax. +39 0392145245

Website www.ipmfilters.com

IPM
 SISTEMI DI FILTRAZIONE