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# FilterNYF

## Pleated membrane in Nylon 66



Filtration rate: 0.2 micron
Sterilization of pharmaceutical, biological, chemical, solvents and water products.

FilterNYF cartridges are built with a Nylon 66 membrane, have high mechanical, thermal and chemical resistance.

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

### Filtration grade

0,2 micron

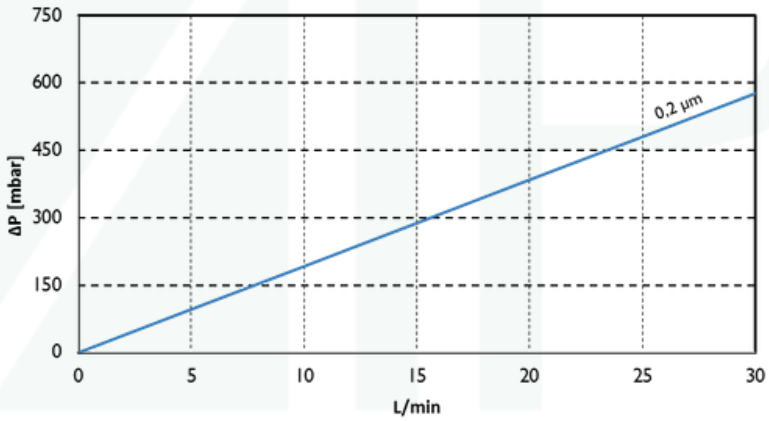
### Height

10 - 20 - 30 - 40inchesinstandard module
5 inches in Junior module

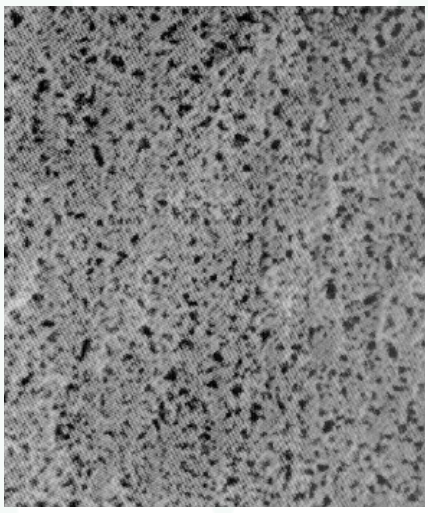
### Adapters

Available with the most common connectors (see information to order)

## FilterNYF Performances




*Water flow rate at 20°C for 10" cartridge*



*FilterNYF electron microscope photograph*

# SPECIFICATIONS

## Materials of Construction

| | |
|---|---|
| **Filter Membrane** | **Nylon 66** |
| Support and drainage layers | Polypropylene |
| Cage | Polypropylene |
| Adapter insert | AISI316L |

## Microbial Removal Efficiency

| | |
|---|---|
| 0,2 µm | *Brevundimonas diminuta TR>$10^7$/$cm^2$* |

## Operating parameters

| | |
|---|---|
| Maximum operating temperature | 70°C |
| Maximum ΔP in forward flow | 5,0 bar a 50°C |
| Maximum ΔP in reverse flow | 1,8 bar a 24°C |

## Sterilization and sanification

| | |
|---|---|
| Steam | Up to 130°C for 30 minutes |
| Hot water | Up to 90°C for 30 minutes |

## Cartridge dimensions

| | |
|---|---|
| ***Junior*** | Lenght: 125 mm |
| | External diameter: 56 mm |
| ***Standard*** | Lenght: 250, 500, 750, 1000 mm |
| | External diameter: 70 mm |

## Integrity Test values

*The specification values for the different filtration rates are shown in the instructions for use attached to the cartridge packaging*

## INFORMATION TO ORDER



| J | D | 2 | 3 | 5 | 7 | 8 |
|---|---|---|---|---|---|---|

| NYF | 7 | 10 | 002 | S | I | PH |
|---|---|---|---|---|---|---|
| Product identification | Adapters | Lenght | Filtration rate | Gaskets | Insert | Version |
| | **D** = DOE (double opened end)<br>**2** = OR226/2 bayonets/ without fin<br>**3** = OR222/without fin<br>**5** = OR222/3 bayonets/ with fin<br>**7** = OR226/2 bayonets/ with fin<br>**8** = OR222/ with fin | 10=10”<br>20=20”<br>30=30”<br>40=40” | 002 = 0,2 µm | E= EPDM<br>S= Silicone<br>V= Viton ®<br>X= Other | I = with (*)<br>0 = without<br><br>(*) when filter has to be sterilized by steam | PH = Pharma version |
| | **J** = JUNIOR | 05=5,0” | | | | |

### *Quality standard*

- *Produced in clean room*
- *Integrity check on each single module before shipment*
- *Conform to USA and CE rules*
- *Complete range of adapters*

### *Bio - safety standard*

*Cartridges pass toxicity tests of particles and fibers release.*
*They conform to USP requests for TOC, conductivity and bacterial endotoxins (determined with LAL test)*

### *Regulatory Compliance*

*Materials conform to requirements of CFR21 Part 177 from USP, IV Class - 121°C for plastic products and to the rule n. 1935/2004/CE for contact with food.*



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

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