



Proxis - T

Polypropylene melt-blown filter elements nominal series

Technical specifications

Available micron ratings:

0.5, 1, 3, 10, 25, 40, 75, 100, 150 µm

Materials:

Filter media: Polypropylene
End-Caps: Polypropylene
Inner core: Polypropylene
Seals: Silicone, EPDM, Buna N, Viton

FDA compliance:

All materials meet U.S. FDA requirements for food and beverage contact

Toxicity:

Cartridge is appropriate for use in pharmaceutical applications. Components meet USP-XXIII, Class VI criteria

Purity:

Proxis cartridges are made of polypropylene resin meeting FDA regulation 21 CFR 177.1520. No Binders, lubricants, or anti-static agents are used in our manufacturing process.

Rinse-up:

Cartridges will easily rinse-up to 18 Megohm-cm

- 0.5 to 150 µm nominal
- 100% polypropylene construction
- Polypropylene inner core to provide mechanical strength
- No contaminant downloading, even with high Delta P
- True graded media density



Efficiency in relation to the micron rating (liquid service)

Table 1

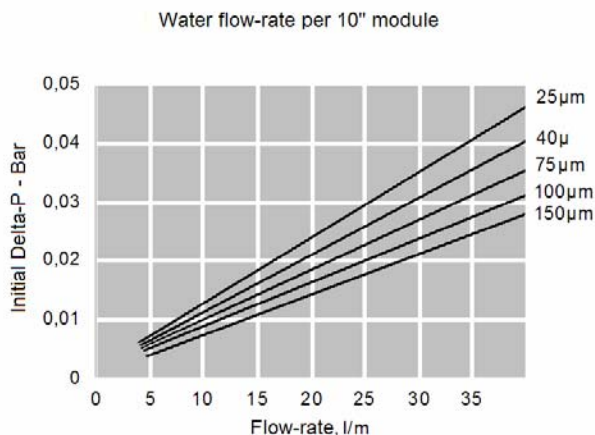
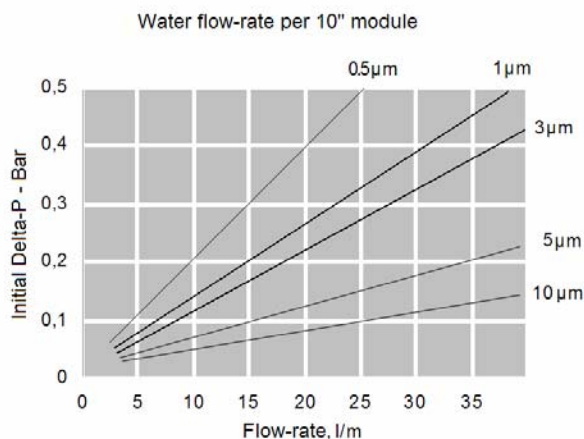
Nominal micron rating	90% retention µm
0.5T	0.5
1T	1
3T	3
5T	5
10T	10
25T	25
40T	40
75T	75
100T	100
150T	150

Standard inner core

A strong inner core enables the cartridge to withstand heavy working conditions. Filter media is designed only in function of filtration performance guaranteeing low pressure drop and high dirt capacity.

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Flow-rate versus differential pressure



Dimensions:

Nominal length:
10", 20", 30", 40"
(254, 508, 762, 1016 mm)
Outer diameter: 63.5 mm

Working conditions

Max differential pressure:

- 1.00 bar @ 82 °C
- 2.00 bar @ 66 °C
- 4.20 bar @ 24 °C

Changeout Differential Pressure
(Recommended): 2.60 bar.

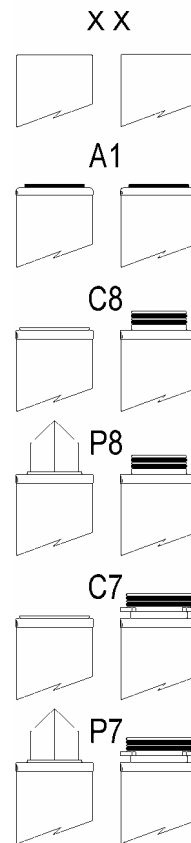
Steam sterilization:

Not recommended

Max temperature with hot water:

46 °C – double open ended versions
75 °C – all single open ended versions

Cartridge configuration



CARTRIDGE CODE SELECTION

Series identification	Micron rating	Outer cage	Cartridge length	End-cap #1	End-cap #2	Gasket material
PRM	Select from Table1	None = X Net = R Cage = G	10" = 1 20" = 2 30" = 3 40" = 4	None = X Open = A Flat = C Spear = P	None = X Open = 1 O.R. 222 = 8 O.R. 226 = 7	Buna = N Viton = V Silicone = S EPDM = E PTFE = T
PRM	5T	X	3	C	8	S

All data correct at time of going to press. Filterflo reserves the right to modify data without prior notice



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