

Polypropylene melt-blown filter elements absolute series

Technical specifications

Available micron ratings:

1, 3, 10, 15, 20, 40, 50, 70, 90, 120 μm absolute

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



Efficiency in relation to the micron rating (liquid service)

Table 1

Retention micron	99,9%	99%	95%	90%
1A	0.96	0.88	0.8	0.66
3A	2.9	2.4	2.0	1.8
10A	10.0	7.9	6.6	4.8
15A	14.4	13.0	12.6	11.2
20A	19.0	16.9	15.3	13.2
40A	38	33	28	21
50A	47	43	38	28
70A	66	59	54	41
90A	88	79	66	56
120A	105	95	80	65

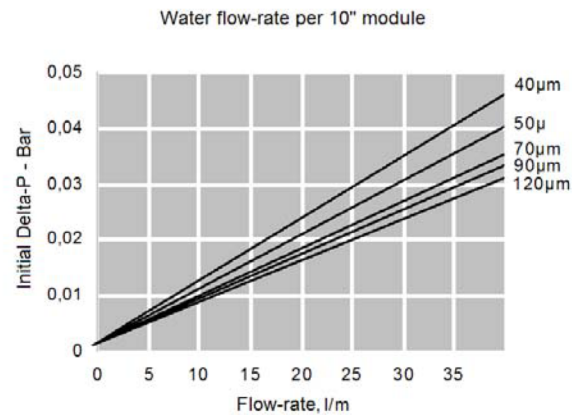
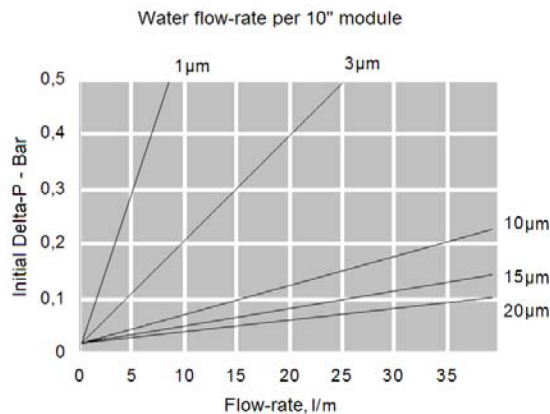
Standard inner core

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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Proxis – A Polypropylene melt-blown filter elements - absolute series

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:

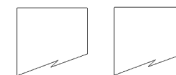
Not recommended

Max temperature with hot water:

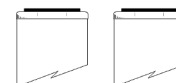
46 °C – double open ended versions
75° C – all single open ended versions

Cartridge configuration

X X



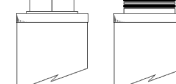
A1



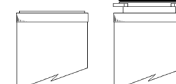
C8



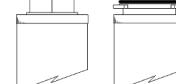
P8



C7



P7



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	3A	R	3	P	7	S

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