

PRE IV (High flow depth)

Description

PREIV depth cartridge filter is made of silicone-free material as 100% polypropylene media. This is designed as under big diameter to treat high flow rate filtration process.

This design produces a gradient pore structure, which effectively captures large particles in the outer sections while providing highly efficient and consistent removal of smaller particles in the innermost sections.

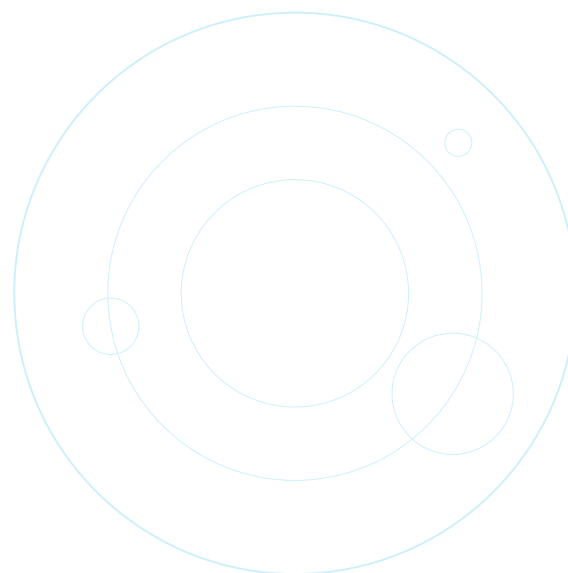


Features

- Suitable for pre-filtration of big plant
- Absolute low differential pressure
- Long life time
- Low maintenance cost
- A few change-out time

Applications

- Pre-filtration for big plant
- Pre-filtration for SWRO and BWRO
- Pre-filtration for desalination system
- All kinds of pre-filtration industry



Specifications

Dimension & Structure	Length ID OD	20", 40" inch / 500, 1000 mm 113 mm 137 mm, 151mm
Materials of Construction	Filtration media	100% melt blown polypropylene micro fiber
Operating Conditions	Maximum differential pressure	30 psid / 2.1 bar at 60 °C 60 psid / 4.2 bar at 30 °C
	Maximum operating temperature	140 °F / 60 °C

Liquid Particle Retention Ratings

Removal Ratings(μm)	$\beta = 1,000$	$\beta = 100$	$\beta = 10$
	99.90%	99.00%	90.00%
5	6	5	3
10	10	9	5
20	21	17	9
40	40	28	18
60	63	56	30
80	75	61	35

Pressure Drop vs. Water Flow Rate

