Polypropylene In-Line and Aerosol Holders

- **Compatible** with a wide range of chemicals and temperatures
- **Exterior locking ring** design allows the unit to be assembled quickly and efficiently without tearing the membrane
- Used by membran filter only



Polypropylene In-Line and Aerosol Holders

APPLICATIONS

- Ultraclean and sterilize liquids
- Aseptic sampling of liquids or gases at point-of-use
- Environmental air sampling (PPO 47)

SPECIFICATIONS

	PP 25	PP 47	PPO 47
Materials:			
Body and support screen	Polypropylene		
O-rings (standard)	Silicone		Silicone/PTFE
Connections:			
Inlet	Female Luer-Lock	Combination 1/4" NPTM, Female Luer slip	Open Face
Outlet	Male Luer slip	Combination 1/4" NPTM, Female Luer slip	Combination 1/4" NPTM, Female Luer slip
Pressure:			
Maximum operating	0.29 MPa (42 psi)	0.49 MPa (71 psi)	-
Temperature:			
Maximum operating	80°C (176°F)		
Autoclave	121°C (250°F), 15 psi, 20 min slow exhaust only		
Filter Specifications:			
Filter size	25 mm	47 mm	
Prefilter size	21 mm	42 mm	-
Filtration area	3.5 cm^2	13.5 cm^2	
Recommended volume	<50 mL	Up to 1 liter	-
Dimensions:			
Diameter	30 mm (1.2")	65 mm (2.6")	
Height	30 mm (1.2")	50 mm (2.0")	40 mm (1.6")
Weight:	0.41 oz (12g)	1.2 oz (47g)	1.4 oz (40g)

ORDERING INFORMATION

Model	PP 25	PP 47	PPO 47
Catalog No.	43303010	43303020	43305010
Package (pc/box)	6	1	

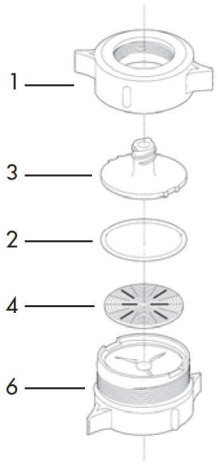
Typical initial liquid flow rates (in mL/min)

Membrane Pore size (µm)	PP 25	PP 47
0.20	35	250
0.45	80	600
1.00	320	1,700
3.00	740	2,800

Conditions: Initial flow rates of water being filtered through a mixed cellulose esters (MCE) at a differential pressure of 1 kg/cm² (14 psi) at 20°C.

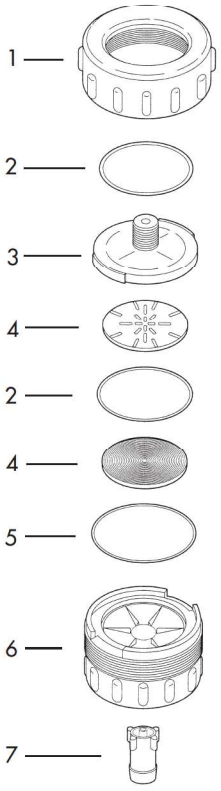
Replacement Parts and Optional O-rings

		PP 25
1	Locking ring, outer	44540101
2	Inlet cap O-ring (silicone)	44540106
2	Inlet cap O-ring (FPM)	540107
2	Inlet cap O-ring (EPR)	540108
3	Inlet cap	44540102
4	Support screen	44540104
6	Outlet base	44540103



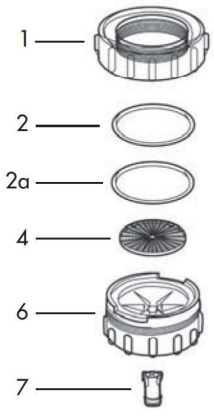
PP 25

		PP 47
1	Locking ring, outer	44501201
2	Inlet cap O-ring (silicone)	44501204
2	Inlet cap O-ring (FPM)	530108
2	Inlet cap O-ring (EPR)	530109
3	Inlet cap	44501202
4	Support screen	44501004
5	Outlet base O-ring (silicone)	44501208
5	Outlet base O-ring (FPM)	501210
5	Outlet base O-ring (EPR)	501211
6	Outlet base	44501203
7	Outlet adapter (male luer slip to hose barb)	44501013



PP 47

		PPO 47
1	Locking ring, outer	44501201
2	Inlet cap O-ring (silicone)	44501204
2a	Sealing O-ring (PTFE)	44501301
4	Support screen	44501004
6	Outlet base	44501203
7	Outlet adapter (male luer slip to hose barb)	44501013



PPO 47