

### In-Line and Syringe Filter Holders

**New**  
25-mm diameter

#### NALGENE® Polysulfone Holder

Use this polysulfone holder with silicone O-ring for in-line removal of particles or microbial contaminants from liquids or gases, as in clarification or cold sterilization. Holds 25-, 47- or 50-mm membrane. Removable tubing connectors on both ends fit 3/8" ID tubing. Max temperature is 250°F (121°C), max pressure is 100 psi. Included luer-lock fitting permits use with syringe. Use holder as an aseptic bell. Autoclavable.



29822-00

Catalog number	Type of holder	Diameter	Price
<a href="#">KH-29822-02</a>	In-line/syringe	25 mm	
<a href="#">KH-29822-00</a>		47 or 50 mm	

#### Polypropylene Holders

Use these polypropylene (PP) holders for ultracleaning and sterilizing liquids under pressure, or for aseptic sampling of liquids and gases. Holders withstand temperatures from 32 to 262°F (0 to 128°C), and pressures to 71 psi at 77°F (25°C) with excellent chemical compatibility.



06623-22

Holders feature PP dual support screens and silicone O-rings. Dual support screens allow for flow in both directions. Assemble holders quickly and efficiently without membrane tears with the specially designed inlet cap and exterior lock.

The 25-mm holder features a female luer-lock on the inlet and a male luer-slip on the outlet. The 47-mm holder features a 1/4" NPT(M) thread on the inlet and a 1/4" NPT(M)-female luer-slip on the outlet. Both are autoclavable.



06623-32

Catalog number	Type of holder	Diameter	Price
<a href="#">KH-06623-32</a>	In-line/syringe	25 mm	
<a href="#">KH-06623-22</a>		47 mm	

#### PFA In-Line 25-mm and 47-mm Filter Holders

06644-62

Use the PFA holders with chemically aggressive liquids. Dual support screens allow for flow in either direction. Exterior locking ring lets you quickly assemble without tearing the membrane. They are ideal for sterilizing and filtering ultra clean liquids under positive pressure and filtering small volumes of high-purity acids, alkalis or organic solvents. Body and support screens of the filters are made of Teflon PFA; the O-ring is made of perfluoroelastomer.



06644-60

The 25-mm holder features a female luer lock on the inlet and male luer slip on the outlet. The 47-mm holder has a glass-filled ETFE locking ring and an air/bleed vent and features combination 1/4" NPT(M) and female luer lock connections. Maximum operating temperature is 100°C (212°F). Autoclavable.

Catalog number	Membrane diameter		Filtration area	Price
	Filter	Prefilter		
<a href="#">KH-06644-60</a>	25 mm	21 mm	3.5 cm <sup>2</sup>	
<a href="#">KH-06644-62</a>	47 mm	42 mm	13.5 cm <sup>2</sup>	

#### Teflon® PFA Holders

Nonwetting and nonsticking filter holder is suitable for organic solvents, acids, alkalis, or high-purity filtration. Temperature range is -320 to 500°F (-196 to 260°C). Withstand up to 65 psi.

Change filter without disconnecting tubing with Tefzel® ETFE clamp nut. Prefiltering reservoir creates fluid turbulence to slow membrane clogging. PFA support grid snaps out easily for cleaning. Ferruled nuts accept 1/4" OD Teflon tubing. Order filter membranes separately below.



06621-05

Catalog number	Type of holder	Diameter	Price
<a href="#">KH-06621-40</a>	In-line/syringe	47 mm	
<a href="#">KH-06621-05</a>		50 mm	

**Teflon PTFE Membranes** for filter holder 06621-05 above. Fibrous, porous structure with 50-mm diameter for screen- and depth-type filtration.

Catalog number	Porosity	Thickness	Price/pk of 10
<a href="#">KH-06621-10</a>	20 to 30 µm	4.8 mil	
<a href="#">KH-06621-20</a>	5 to 6 µm	5.6 mil	
<a href="#">KH-06621-30</a>	1 to 2 µm	10 mil	

#### SS Syringe and In-Line Filter Holders

These filter holders have bodies and perforated support screens of 304 SS with Teflon® gaskets and silicone O-rings. Autoclave with membrane in place.

Syringe holders have luer fittings. Maximum pressure for 13-mm holder is 100 psi inlet, 100 psi differential. Maximum pressure for 25- and 47-mm holders is 100 psi inlet, 50 psi differential.

In-line holders have 1/4" NPT(F) and 1/4" NPT(M) ports. Supplied with 3/8" hose barb connectors and two perforated 304 SS support screens. Open holders without disconnecting lines.



02928-20



02929-10

Catalog number	Type of holder	Diameter	Price
<a href="#">KH-02928-10</a>	Syringe	13 mm	
<a href="#">KH-02928-20</a>	Syringe	25 mm	
<a href="#">KH-02929-10</a>	In-line	25 mm	
<a href="#">KH-02929-20</a>	In-line	47 mm	

### Cellulose Acetate Syringe Filters

**4-mm diameter membrane is excellent for small volume EIA and ELISA assays**

- Low protein-binding membranes are effective for low extractables



29603-00

Provide high-quality purification and solution preparation for cold sterilization of aqueous solutions, biological or immunological samples, and cell culture media components.

Inlets are female luer lock, outlets are male luer slip. Effective for sample volume sizes 0.5 to 1.0 mL, and at maximum operating pressure of 75 psi (5.1 bar). Polypropylene housing. Nonsterile.

Catalog number	Membrane diameter	Filter area	Pore size	Nominal flow rate*	Qty/pk	Price/pk
<a href="#">KH-29603-00</a>	4 mm	7 mm <sup>2</sup>	0.2 µm	1 mL/min	100	
<a href="#">KH-29603-02</a>			0.45 µm	3 mL/min		

\*mL/min water at 14.7 psig (1 bar)