



MKL Depth Polypropylene Filter Capsules

PureFlo® MKL Filter Capsules have been designed for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small-scale applications. The family of products is particularly suitable for scale up testing. The all-polypropylene construction for excellent chemical compatibility.

Application

Lab Scale Testing

Fine Chemicals

Ink

SVP (Small Volume Parenteral)

Bio Bags

Pharmaceuticals

Water

Biologics

Antibiotics

Scale up processing

Water

Serums



MKLDP005A2H2H

MKLDP Capsule Filter with 1/4" Hose Barb Inlet and Outlet Connections



Technical Data Sheet

Popular Configuration:

Catalog Number	Effective Filtration Area	Inlet Connection	Outlet Connection
MKLDP0052H2H	200 cm ²	¼" Hose Barb	¼" Hose Barb
❖ Find the complete list of available standard inlet and outlet fittings in page 4.			

Micron Rating:

Final Media: 0.5 µm Depth Polypropylene

Effective Filtration Area:

31 in² (200 cm²)

Materials of Construction

Media: Depth Polypropylene

Media Supports: Polypropylene

Cage, Core, End Caps: Polypropylene

Sealing: Thermally Welded

Filter Integrity:

The finished product was sampled and shown to exhibit a minimum bubble point (at 22°C) of 50 psi (3.5 bar) in water.

Operating Conditions:

Maximum Forward Differential Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C

Gas: 4.1 bar (60psi) at 77°F/25°C

Minimum Burst Pressure: 8.3 bar (120psi) at 77°F/25°C

Maximum Forward Differential Pressure: 5 bar (72psi) at 68°F/20°C

Maximum Reverse Differential Pressure: 3.0 bar (44psi) at 68°F/20°C

Maximum Operating Temperature: 176°F/80°C

Regulatory Compliance:

The filters are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

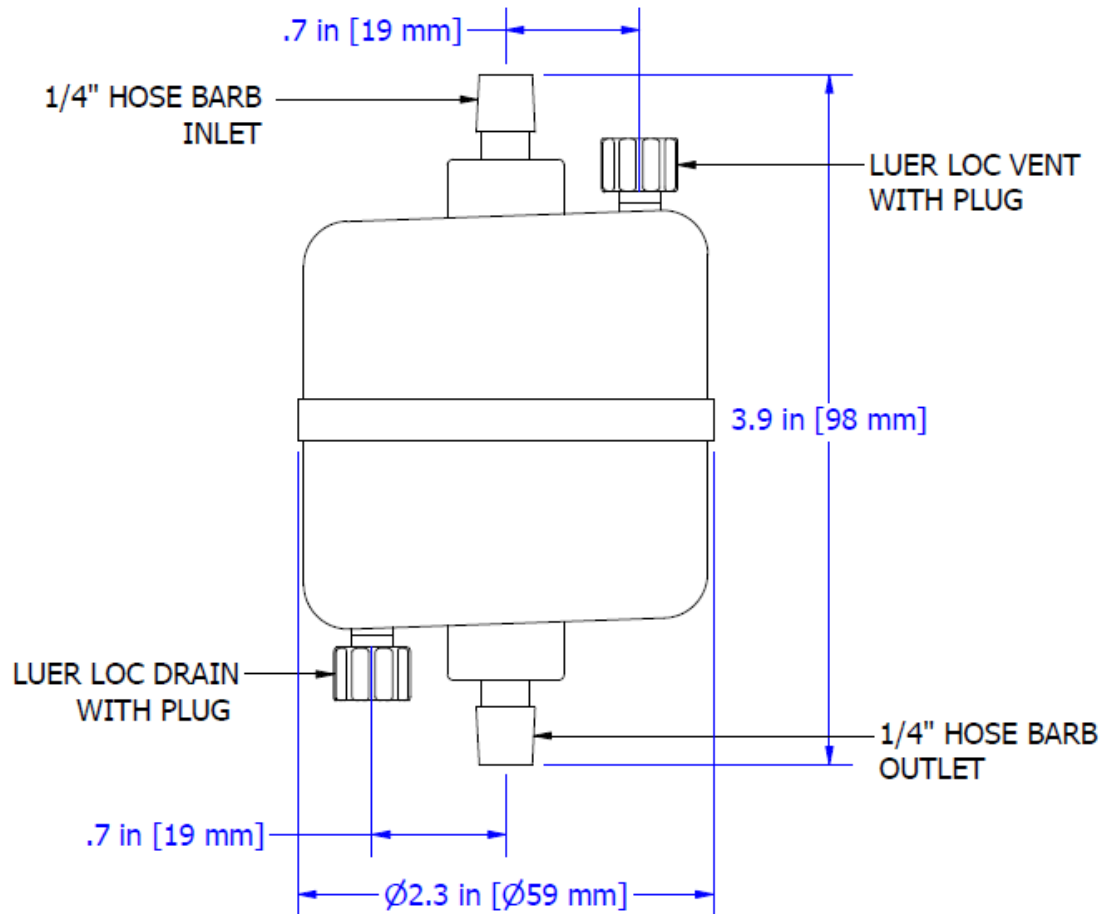


International Filter Products

Revolutionary systems for your industry

Nominal Dimension:

Part Number: MKLDP005A2H2H



Sterilization:

The filters can be sterilized by autoclaving for 10 cycles at 257°F/125°C for 30 minutes.

Warning: The filters cannot be sterilized by steam-in-place (SIP)

Shelf Life:

The MKLDP Capsule have a shelf life of 3 years from the date of manufacture.



MKL- PureFlo® Depth Polypropylene Capsule filter

Ordering Guide



[1]	[2]	[3] Inlet and [4] Outlet	[4]
Micron Rating [Pre-Filter/Final Filter]	Filter Size Code [Filtration Area]	Inlet and Outlet Connection	Optional Feature
<ul style="list-style-type: none"> 002 : 0.2 µm 005 : 0.5 µm 010 : 1.0 µm 015 : 1.5 µm 025 : 2.5 µm 045 : 4.5 µm 100 : 10.0 µm 200 : 20.0 µm 	<ul style="list-style-type: none"> A [Filtration Area: 200 cm²] B [Filtration Area: 360 cm²] C [Filtration Area: 420 cm²] D [Filtration Area: 500 cm²] 	<ul style="list-style-type: none"> 1H : 1/8" Hose Barb 2H : 1/4" Hose Barb 3H : 3/8" Hose Barb LF : Female Luer Lock LM : Male Luer Lock MT : 1/2" Tri-Clamp TC : 1 1/2" Tri-Clamp 	<p>-ETO</p> <p>Ethylene Oxide Sterilization (Optional)</p>

Example:

MKLDP005A2H2H

PureFlo MKL Series Capsule, Depth PP Media 0.5µm Final Filter, Filtration Area 200 cm², ¼" Hose Barb Inlet and Outlet.

Part Number

Description



Special Configuration:

Micron Rating Option:

- 0.04 Micron
- 0.1 Micron
- 0.2 Micron
- 0.5 Micron
- 0.65 Micron
- 0.8 Micron
- 1.2 Micron

Inlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling with Metal Latch
- 2H = 1/4" Hose Barbs
- 2HS = 1/4" to 3/8 " Hose Barb
- 2Q = 1/4" Male Quick Coupling for Metal Latch
- 3H = 3/8" Hose Barb
- 4H = 1/2" Hose Barb
- 4Q = 1/2" Male Quick Coupling for Plastic latch
- 5H = 5/8" Hose Barb
- MT = 1/2" Tri clamps
- TC = 1-1/2" Tri clamp

Outlet Fitting Option:

- 1H = 1/8" Hose Barb
- 1Q = 1/8" Male Quick Coupling with Metal Latch
- 2H = 1/4" Hose Barbs
- 2HS = 1/4" to 3/8 " Hose Barb
- 2Q = 1/4" Male Quick Coupling for Metal Latch
- 3H = 3/8" Hose Barb
- 4H = 1/2" Hose Barb
- 4Q = 1/2" Male Quick Coupling for Plastic latch
- 5H = 5/8" Hose Barb
- MT = 1/2" Tri clamps
- TC = 1-1/2" Tri clamp

