

Disc Filters

Available in sizes from 13 mm - 142 mm



Disc Filters

Absolute-rated disc filters from Meissner meet the needs of a wide range of small volume and analytical applications. They are available in standard diameters from 13 mm to 142 mm and pore sizes from 0.04 μm to 20 μm . A complete range of microfiltration media is available for use in pharmaceutical, biological, biopharmaceutical, industrial, analytical, solvent, chemical, gas, air and venting applications.



Meissner's disc filters are suitable for use in general particulate and microbial filtration. The disc filters are ideal for analytical applications, including filterability studies, and contaminant analysis. All materials are free of additives, surfactants and manufacturing post-treatments. All disc filter media meet the biosafety requirements of the USP Class VI Plastics biological reactivity tests and comply with FDA requirements. Meissner's disc filters are non-cytotoxic and non-pyrogenic.



Meissner's optional stainless steel, 47 mm disc filter holder can be used for the clarification, sterilization, and high purity filtration of liquids and gases. The holder's uniquely tapered body style minimizes fluid hold up, while its sanitary design and smooth, ultraclean surface finish enhances cleanability. For more information, visit www.meissner.com/disc-holder.

Hydrophilic Membranes

SteriLUX® PVDF

- Pore sizes of 0.1 μm , 0.2 μm , 0.4 μm , 0.6 μm
- Extremely low protein binding
- Extremely low extractables

Typical Applications

- Small volume sterile filtration of aqueous solutions, including proteins, biopharmaceuticals, and biologicals

EverLUX® PES

- Pore size of 0.4 μm and 0.6 μm
- Highly asymmetric pore structure gives extended filter life

Typical Applications

- Small volume pre-filtration, clarification, and bioburden reduction for biological liquids

STyLUX® PES

- Pore sizes of 0.04 μm , 0.1 μm , 0.2 μm , 0.4 μm , 0.6 μm
- Asymmetric pore structure gives extended filter life
- Extremely low protein binding
- Chemical compatibility from pH 1-14

Typical Applications

- Small volume sterile filtration of aqueous solutions, including proteins, biopharmaceuticals, and biologicals

Hydrophobic Membranes

Chemdyne® polypropylene (PP)

- Pore sizes of 0.1 μm , 0.2 μm
- Cost-effective alternative to PTFE
- Wide chemical and solvent compatibility

Typical Applications

- Solvents, chemicals
- Gas/air, venting

Steridyne® PVDF

- Pore size of 0.2 μm
- Gamma stable

Typical Applications

- Sterilization of gases and air; venting

Ultradyn® PTFE

- Pore sizes of 0.1 μm , 0.2 μm , 0.4 μm , 1.0 μm
- PTFE membrane on polypropylene support
- Extremely wide chemical compatibility

Typical Applications

- Clarification and sterilization of solvents, chemicals, and aqueous solutions (when pre-wetted with a low surface tension liquid)
- Sterilization of gases and air; venting

Media Options (cont.)

Microfiber Media

Protec® Borosilicate Glass

- Single layer - borosilicate glass microfiber offered in pore sizes of 0.5 μm and 1 μm
- Dual layer - borosilicate microfiber (outer layer) with PVDF membrane (inner layer) offered in pore sizes of 0.2 μm , 0.3 μm , and 0.5 μm

Typical Applications

- Small volume pre-filtration, clarification, and bioburden reduction for biological liquids

ALpHA® G Polyester

- Absolute removal ratings from 0.6 μm , 1.2 μm , 2.4 μm , 5 μm , 7 μm , 10 μm , 20 μm
- Gamma stable media can be easily integrated into single-use systems
- Tapered pore structure provides high flow rates, high throughput, and extraordinary dirt holding capacity

Typical Applications

- Clarification of biopharmaceuticals

ALpHA® PP

- Absolute removal ratings of 0.6 μm , 0.8 μm , 1.2 μm , 2.4 μm , 5 μm , 7 μm , 10 μm
- Tapered pore structure provides high flow rates and high dirt holding capacity
- Wide chemical and solvent compatibility

Typical Applications

- Prefiltration and clarification of solvents, acids, bases, aqueous solutions, gases or air



Ordering Information

Media Grade	Pore Size (µm)	Diameter - Quantity
VMH	0.1	047-00
VMH = SteriLUX® PVDF	0.1, 0.2, 0.4, 0.6	013-00 = 13 mm, 100/pk
SM = STyLUX® PES	0.04, 0.1, 0.2, 0.4, 0.6	025-00 = 25 mm, 100/pk
SMH = EverLUX® PES	0.4, 0.6	047-00 = 47 mm, 100/pk
VMV = Steridyne® PVDF	0.2	090-25 = 90 mm, 25/pk
TM = Ultradyne® PTFE*	0.1, 0.2, 0.4, 1.0	142-25 = 142 mm, 25/pk
TA = Ultradyne® PTFE**	0.2	
PM = Chemdyne® polypropylene	0.1, 0.2	
RM = Protec® (dual layer) glass fiber with PVDF*	0.2, 0.3, 0.5	
RF = Protec® (single layer) glass fiber*	0.5, 1	
MF = ALpHA® polypropylene*	0.6, 0.8, 1.2, 2.4, 5, 7, 10	
MG = ALpHA® G polyester*	0.6, 1.2, 2.4, 5, 7, 10, 20	

* These disc filters are thick and require use of a modified disc filter holder.

** TA-Grade is a sterilizing grade filter per ASTM F838 liquid bacterial challenge.

All Meissner disc filters are autoclavable at 121°C for 60 minutes. Disc filters are provided non-sterile.



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1001 Flynn Road • Camarillo, CA 93012 • USA
+1.805.388.9911 • +1.805.388.5948 Fax
www.meissner.com