

UltraSnap[®]

Filter Assembly



UltraSnap® Filter Assembly

The UltraSnap® filter assembly conveniently secures multiple pre and final filters into a single-use filtration system for plug and play use. This configurable system is optimized for clarification through sterile filtration applications and effectively makes the scale of single-use filters unlimited.

Uniquely customizable, the UltraSnap® filter assembly allows maximum flexibility in design to accommodate end-user processing requirements for flow capacity, throughput volume, and retention efficiencies. Engineered to maximize filtration parameters, the UltraSnap® filter assembly arrives as a pre-assembled unit, ready for immediate use. Most assemblies can be ordered pre-sterilized for added convenience.

Meissner's UltraSnap® filter assembly eliminates the time and expense associated with change-out of filters from stainless steel housings and the associated cleaning and reassembly of the filter/housing unit(s). This time saved from cleaning operations results in less downtime between filtration runs, and improved productivity. The UltraSnap® filter assembly has very low hold-up volume, which minimizes product loss during change-outs and ensures maximum product recovery. Support stands and carts can be designed to integrate the UltraSnap® filter assembly into the end-user's unit operations.

Features and Benefits

- Ruggedized polypropylene assembly withstands higher pressures than conventional high capacity capsule filters and resists damage, ensuring reliability and integrity under demanding conditions
- Encapsulated, integral assembly reduces operator contact with filtered liquids
- Extremely low hold-up volume design conserves valuable filtered liquids
- Single-use filter assembly saves installation, setup, cleaning and cleaning validation costs
- Seamlessly integrates into One-Touch® single-use systems or other single-use portfolios
- Removal ratings from 0.04 µm to 99 µm
- Final filtration through prefiltration media options include PVDF, PES, PP and PTFE membranes, as well as PP microfiber, borosilicate glass microfiber, and PP microfiber depth media
- Valved vent port for security and reliability in venting, draining and sampling
- Recessed filter vent/drain on T-style configuration prevents breakage in use
- Specialized UltraSnap® connectors configure multiple pre and final capsule filters in series or parallel to maximize design space
- 10", 20", 30", 40" and 50" capsule filter length options permit fast, easy scale-up
- UltraSnap® assemblies are presterilized and ready-to-use for plug and play convenience



Product Specifications

Materials of Construction

UltraCap® H.D. Housing: Animal component free (ACF), gamma stable polypropylene (PP)

Filtration Media:

Hydrophilic Membranes

SteriLUX®	PVDF (polyvinylidene fluoride)
EverLUX®	PES (polyethersulfone)
STyLUX®	PES (polyethersulfone)

Hydrophobic Membranes

Steridyne®	PVDF (polyvinylidene fluoride)
Chemdyne®	PP (polypropylene)
Ultradyn®	PTFE (polytetrafluoroethylene)

Microfiber

ALpHA®	PP (polypropylene)
ALpHA® G	PBT (polyester)
Vangard®	PP (polypropylene)
Protec® RF	GF (borosilicate glass)
Protec® RM	GF (borosilicate glass) + SteriLUX® PVDF membrane
DeltaMax®	PP (polypropylene)
DeltaDepth®	PP (polypropylene)

Support Components: Polypropylene (PP)

Sealing Method: Thermal Bonding

Max. Pressure & Temperature for Liquids

90 psig @ 32 °F to 100 °F (6.2 bar @ 0 °C to 38 °C)

55 psig @ 140 °F (3.8 bar @ 60 °C)

Max. Pressure & Temperature for Gases

60 psig @ 32 °F to 100 °F (4.1 bar @ 0 °C to 38 °C)

35 psig @ 140 °F (2.4 bar @ 60 °C)

Connections

The inlet and outlet of the UltraSnap® filter assembly are available with most standard single-use and multi-use connection options.

Cartridge Length (Nominal)

10", 20", 30", 40", or 50"

(25 cm, 50 cm, 75 cm, 100 cm, or 125 cm)

Sterilization

The UltraSnap® assembly can be provided sterile (gamma irradiated) and is ready-to-use for plug and play convenience.

Mounting

Meissner offers a FlexCessory™ stainless steel accessory fork to support the UltraSnap® assembly, which can be mounted to the Dual End-Ported Biocontainer Cart for easy transport, or to the Universal Lab Stand for table top applications.



Ordering Information

The UltraSnap® filter assembly is an engineered filtration solution. To order, please contact Meissner directly. Our Applications Engineering Team is ready to assist you in selecting the optimal capsule filters for your application.

To review a complete list of options for UltraCap® H.D. capsule filters, please download our brochure at www.meissner.com/ultracap-hd or request a brochure from Meissner.

