

Capsule Filling Bell

Clear Polycarbonate Filling Bell Assembly

The capsule filling bell assembly guards against airborne contaminants when used with Meissner's line of capsules to filter liquids into roller bottles, media bottles, flasks and other containers. The integral capsule filter and filling bell are ideal for filtration and aseptic filling of critical fluids such as tissue culture media, biologicals and other pharmaceutical preparations.

Design Features

- Polycarbonate filling bell offers more durability and shatter-resistance than glass assemblies
- Transparent nature of the polycarbonate bell allows operators to easily position vessels as they are being filled
- Capsule with integral filling bell is ready-to-use and provides disposable convenience
- Available with capsule filter in a gamma-irradiated version to ensure sterility
- Capsule and filling bell assembly are autoclavable
- Available for use on capsules with effective filtration areas of 300 cm², 500 cm², 1000 cm² and 2000 cm²
- Filling bell fits a broad selection of capsule filters for both prefiltration and final filtration applications



Specifications

Materials of Construction

Filling Bell: Polycarbonate
 Capsule Housing: Polypropylene
 Filter Membrane:
 SteriLUX® PVDF
 STyLUX® Polyethersulfone
 Support Components: Polypropylene
 Sealing Method: Thermal bonding

Maximum Operating Pressure

Liquids: 75 psig @ 100°F (38°C)
 Gases: 50 psig @ 100°F (38°C)

Operating Temperature Range

32°F to 100°F (0°C to 38°C)

Maximum Temperature Rating

160°F (72°C) @ 35 psig

Connections: CS/CL Models

Inlet/Outlet: 3/8" stepped
 hose barb

Vent/Drain Port: Two luer lock
 ports provided for venting, draining,
 sampling

Connections: CF Models

Inlet/Outlet: 1/4" to 3/8" stepped
 hose barb

Vent/Drain Port: One luer lock port
 provided for venting, draining, sampling

Capsule Dimensions (Nominal)

Model	Diameter	Length	Length w/bell
CL	2.75"	6.9"	8.6"
CS	2.75"	4.5"	6.2"
CF	2.25"	3.3"	4.9"

Effective Filtration Area (Nominal)

CL Model:	2 ft ² (2000 cm ²)
CS Model:	1 ft ² (1000 cm ²)
CF Model:	0.3 ft ² (300 cm ²) or 0.5 ft ² (500 cm ²)

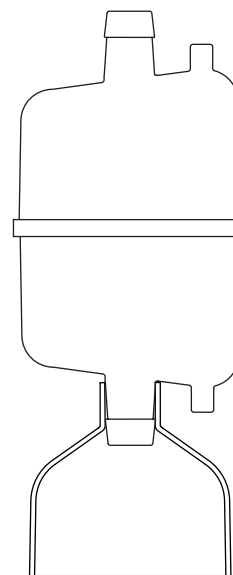
Sterilization

The capsule and filling bell assembly must be autoclaved at a minimum of 121°C for 60 minutes. Capsule and filling bell assemblies can be repeatedly autoclaved without loss of integrity.

Capsule and filling bell assemblies must not be in-situ steam sterilized (SIP), as exposure to direct steam flow at 121°C, 15 psig will exceed material design limits and can result in rupture of the plastic housing.

Options

The disposable capsule filter with filling bell is available in a gamma-irradiated version for sterile applications. Contact Meissner for more details.



Ordering Information

CS/CL Capsule Model	Filter Membrane	Retention Rating (μm)	
<i>CS</i>	<i>VMH</i>	<i>0.2</i>	— 2B2
CS = 1.0 ft ² (1000 cm ²) 3/8" hose barb inlet/outlet	VMH = SteriLUX®	0.1, 0.2, 0.4, 0.6	
CL = 2.0 ft ² (2000 cm ²) 3/8" hose barb inlet/outlet	SM = STyLUX®	0.04, 0.1, 0.2, 0.4, 0.6	
GS = gamma irradiated version 1.0 ft ² (1000 cm ²) 3/8" hose barb inlet/outlet			
GL = gamma irradiated version 2.0 ft ² (2000 cm ²) 3/8" hose barb inlet/outlet			

CF Capsule Model	Filter Membrane	Retention Rating (μm)	Filtration Area
<i>CF</i>	<i>VMH</i>	<i>0.2</i>	— <i>3BA</i>
CF = capsule filter	VMH = SteriLUX®	0.1, 0.2, 0.4, 0.6	3BA = 0.3 ft ² (300 cm ²) 1/4" to 3/8" stepped hose barb inlet/outlet
GF = gamma irradiated version	SM = STyLUX®	0.04, 0.1, 0.2, 0.4, 0.6	3BB = 0.5 ft ² (500 cm ²) 1/4" to 3/8" stepped hose barb inlet/outlet