

**mdi** polypropylene large capsule filters type *ClariCap PP* have been designed for particle removal applications in liquids and air/gases. These are suitable for use in pharmaceutical and biopharmaceutical prefiltration applications.

The pleated polypropylene filtration media and all polypropylene polymer housing has high heat resistance and exhibits very wide chemical compatibility. These offer high retention efficiency thereby enhancing the performance (life and efficiency) of terminal sterilization filters.

**mdi** *ClariCap PP* capsule filters offer ease of use because of negligible standard stainless steel filtration housing assemblies. These also do away with the requirement of cleaning and validation of conventional filtration housing assemblies.

Complies with USFDA 21 CFR Part 210.3(b)(6)  
Meets and Exceeds USFDA 21 CFR Part 177.1520

### Special features

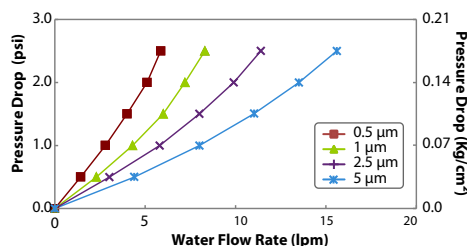
- Very high retention efficiency (99.999%)
- Heat stable construction
- Low extractables
- Non media migrating
- Biologically inert
- Superior pleat construction
- Easy installation

### Applications

- Prefiltration of high value drug solutions
- Prefiltration of drug vehicles
- Prefiltration of air to small fermentors

### Water Flow Rates

ClariCap PP, 5" Capsule Filters



### Materials of Construction

**Housing** : Polypropylene  
**Filter Media** : Polypropylene



### Specifications

**Maximum Differential Pressure**  
4 Kg/cm<sup>2</sup> @ 30° C

**Maximum Operating Temperature**  
80° C @ < 2 Kg/cm<sup>2</sup>

**Retention Efficiency**  
99.999%

### Biosafety

Passes biological tests for Class VI of plastics as described in USP <88>

### Sterilization

Capsules are autoclavable at 125° C for 30 minutes, 30 cycles. Can not be inline steam sterilized.

### Oxidizable Matter

Passes test as per USP <1231>

### Extractables with Water

Passes NVR test as per USP <661>

### Ordering Information

Type		Size		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size	
	Code		Code		Code		Code				Code		Code
ClariCap PP	DOLX	1"	51	0.5 µm	04	¼" SHB	A			Non Sterile	1	1	01
		2"	52	1 µm	05	¼" MNPT	B						
		5"	53	2.5 µm	06	½" MNPT	C						
		8"	57	5 µm	07	½" Hose Barb	D						
				10 µm	08	1½" Sanitary Flange	E						
				20 µm	11	¾" Sanitary Flange	S						
						Quick Connector	J						
						Single Step ½" Hose Barb*	Q						
						Female Luer Lock**	U						
						Male Luer Slip***	W						
						3/16" Hose Barb****	N						
						3/8" Hose Barb*	I						
<b>DOLX</b>		<b>53</b>		<b>05</b>		<b>CC</b>		<b>X</b>	<b>X</b>	<b>1</b>		<b>01</b>	

Example:

\* Single step ½" hose barb and 3/8" Hose Barb end connections are not available in 1" capsule filter  
\*\* Female luer lock is available in 1" and 2" capsule filters only  
\*\*\* Male luer slip is available as outlet only in 1" capsule filters  
\*\*\*\* 3/16" hose barb end connection is available in:  
- 1" and 2" capsule filters as inlet and outlet  
- 5" as outlet only