

**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 assembling time as compared to the standard stainless steel filtration housing assemblies. These also do away with the requirement of cleaning and validation of conventional filtration housing assemblies.

### Special features

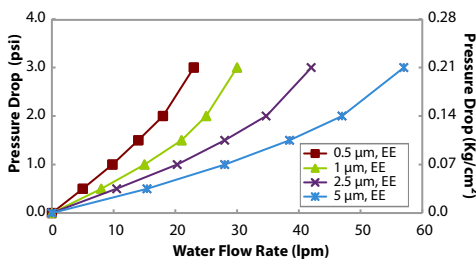
- Very high retention efficiency (99.999%)
- Heat stable construction
- Low extractables
- Non media migrating
- Biologically inert
- Superior pleat construction
- Easy installation

### Applications

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

### Water Flow Rates

*ClariCap PP 10"*, Large Capsule Filters



**End Connection Type:**

E: 1½" Sanitary Flange

### 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>

Complies with USFDA 21 CFR Part 210.3(b)(6)

Meets and Exceeds USFDA 21 CFR Part 177.1520

### Ordering Information

Type		Size & EFA		Pore Size		Inlet/Outlet		X	Inline / T-line		Sterility		Pack Size	
	Code		Code		Code		Code			Code		Code		Code
ClariCap PP	LOLX	5"* (2500 cm <sup>2</sup> )	53	0.5 µm	04	1½" Sanitary Flange	E		X	T	1	01		
		10" (5000 cm <sup>2</sup> )	54	1 µm	05	Single Step ½" Hose Barb	Q							
		20" (10000 cm <sup>2</sup> )	55	1.2 µm	10	¾" Sanitary Flange****	S							
		30" (15 00 cm <sup>2</sup> )	56	2.5 µm	06	3/8" Hose Barb	I							
				5 µm	07	1" Hose Barb*	Z							
				10 µm	08									
				20 µm	11									

**EFA:** Effective Filtration Area

**Example:**

LOLX	54	06	QQ	X	T	1	01
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\* Size 5" is available in In-line capsule filters only  
 \*\*1" Hose Barb is not available in 5" capsule filters  
 \*\*\*T-line Capsule Filters are available with 1½" Sanitary Flange end connections only  
 \*\*\*\*¾" Sanitary Flange is available only in 5" and 10" capsule filters