

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.

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.

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

Meets and Exceeds USFDA 21 CFR Part 177.1520

Special features

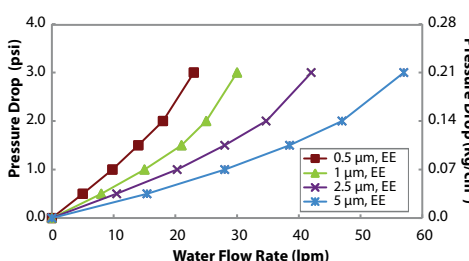
- Very high retention efficiency (99.999%)
- Heat stable construction
- Low extractables
- Non media migrating
- Biologically inert
- Superior pleat construction
- Easy installation

Applications

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

Water Flow Rates

ClariCap PP 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/cm² @ 30° C

Maximum Operating Temperature

80° C @ < 2 Kg/cm²

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 & EFA | | Pore Size | | Inlet/Outlet | | X | Inline /T-line | | Sterility | | Pack Size | |
|-------------|------|------------------------------|------|-----------|------|--------------------------|------|--|----------------|------|-------------|------|-----------|----|
| | Code | | Code | | Code | | Code | | | Code | | Code | | |
| ClariCap PP | LOLX | 5"* (2500 cm ²) | 53 | 0.5 μm | 04 | 1½" Sanitary Flange | E | | | | Non Sterile | 1 | 1 | 01 |
| | | 10" (5000 cm ²) | 54 | 1 μm | 05 | Single Step ½" Hose Barb | Q | | | | | | | |
| | | 20" (10000 cm ²) | 55 | 1.2 μm | 10 | ¾" Sanitary Flange**** | S | | | | | | | |
| | | 30" (15 00 cm ²) | 56 | 2.5 μm | 06 | 3/8" Hose Barb | I | | | | | | | |
| | | | | 5 μm | 07 | 1" Hose Barb* | Z | <div><div>* Size 5" is available in In-line capsule filters only</div><div>**1" Hose Barb is not available in 5" capsule filters</div><div>***T-line Capsule Filters are available with 1½" Sanitary Flange end connections only</div><div>****3/4" Sanitary Flange is available only in 5" and 10" capsule filters only</div></div> | | | | | | |
| | | | | 10 μm | 08 | | | | | | | | | |
| | | | | 20 μm | 11 | | | | | | | | | |

EFA: Effective Filtration Area

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Example:

| | | | | | | | |
|------|----|----|----|---|---|---|----|
| LOLX | 54 | 06 | QQ | X | T | 1 | 01 |
|------|----|----|----|---|---|---|----|

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