

mdi polypropylene 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 assembly time as compared to standard stainless steel filtration housing assemblies. These do away with the requirement of cleaning and validation of conventional filtration housing assemblies.

Material of Construction

| | |
|---------|---------------------|
| Housing | Polypropylene |
| Filter | Polypropylene Media |

Applications

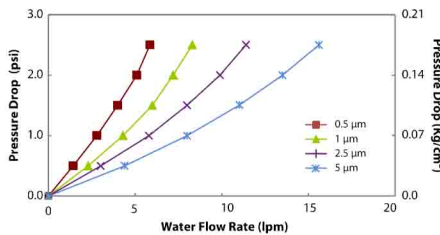
- Prefiltration of high value drug solutions
- Prefiltration of drug vehicles
- Prefiltration of air to small fermentors

Special Features

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

Water Flow Rate (ClariCap-PP)

ClariCap PP, 5" Capsule Filters



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

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

Extractables with Water

Within limits as specified in USP

Ordering Information

| Type | | Size | | Pore Size | | Inlet (I) / Outlet (O) | | X | X | Sterility | | Pack Size | |
|-------------|------|------|------|-----------|------|--------------------------|---|---|---|-------------|------|-----------|------|
| Type | Code | Size | Code | µm | Code | Code | | | | | Code | Qty | Code |
| | | | | | | I | O | | | | | | |
| ClariCap PP | DOLX | 1" | 51 | 0.5 | 04 | ¼" SHB | A | A | | Non-Sterile | 1 | 1 | 01 |
| | | 2" | 52 | 1.0 | 05 | ¼" MNPT | B | B | | | | | |
| | | 5" | 53 | 2.5 | 06 | ½" MNPT** | C | C | | | | | |
| | | 8" | 57 | 5 | 07 | ½" Hose Barb | D | D | | | | | |
| | | | | 10 | 08 | 1½" Sanitary Flange | E | E | | | | | |
| | | | | 20 | 11 | ¾" Sanitary Flange | S | S | | | | | |
| | | | | | | Quick Connector | J | J | | | | | |
| | | | | | | Single Step ½" Hose Barb | Q | Q | | | | | |

* 1" Capsule filters are not available with ¼" Sanitary Flange and ½" Single Step Hose Barb

** ½" MNPT is not available in 1" Capsule filters

EXAMPLE :

| | | | | | | | |
|------|----|----|----|---|---|---|----|
| DOLX | 53 | 05 | QQ | X | X | 1 | 01 |
|------|----|----|----|---|---|---|----|

DSTDOLXXXX1005L

Data Sheet

