

PoreCap® Nylon-66 Membrane Capsule Filters



The PoreCap® series of Nylon-66 capsule filters are available in 0.22µm, 0.45µm, and 0.8µm with 0.22µm/0.45µm/0.8µm upstream combination and are specially designed and developed for high purity and final filtration application i.e. water, solvents, sterile filtration, organic and aqueous samples filtration. These filters are available in 1,2,5,8 and 10 inches nominal size scale for laboratory to full scale production. They offer versatile performance in terms of fast flow with excellent throughput. Each capsule filter is validated for retention efficiency, integrity test, flow rate, heat Stability, fibre particle release, extractable and biosafety.

Special Features & Benefits

- ✓ 100% integrity tested
- ✓ Sterilizing grade performance
- ✓ 100% Traceability
- ✓ Biological Inert and pre-sterilized
- ✓ Extractable free /Non-leachable assurance

Key Applications

- Quality Buffers preparation
- Water for Injection (WFI) & water purification
- Microbial retention & stabilization
- Sterilization of hormonal injectables
- Manufacturing of LPVs & SVPs
- Vaccine production
- Final sterile grade filtration
- Non-protein solutions, Aqueous and organics chemicals

Our PoreCap® Capsule filters are quality assured for retention efficiency, integrity test and flow rate and validated for Heat Stability, Beta ratio test, fiber particle release, extractables and biosafety

In Compliance with Global Standards

| | |
|-------------------------------|---|
| Bacterial Endotoxin | <i>The filtrate/Aqueous extraction from downstream of the filter exhibited endotoxin result < 0.25 EU/mL when tested as per USP <85> methodology</i> |
| Oxidizable Substances | <i>Oxidizable matter in filtered water meets the USP <1231> Oxidizable Substance Test requirements</i> |
| Non-fiber Releasing | <i>Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3(b)(6).</i> |
| Particle Shedding | <i>Meets Cleanliness per USP <788> for Particulates in Injectables</i> |
| Extractable with water | <i>Extractable passes within limit as specified by USP <661></i> |
| TOC/ Conductivity | <i>Meets the USP <643> for Total Organic Carbon Meets the USP <645> for Water Conductivity</i> |

- Manufactured in an ISO Class 8 Cleanroom Environment
- Complete Qualification Guide Available
- Critical raw material used for manufacturing are Compliant with FDA Indirect Food Additive requirements cited in 21 CFR 177.1520 & 21 CFR 177.2440
- Comply with USP <88> Reactivity Test for Class VI plastics
- Wide Chemical Compatibility
- 100% Integrity Tested

TECHNICAL SPECIFICATIONS

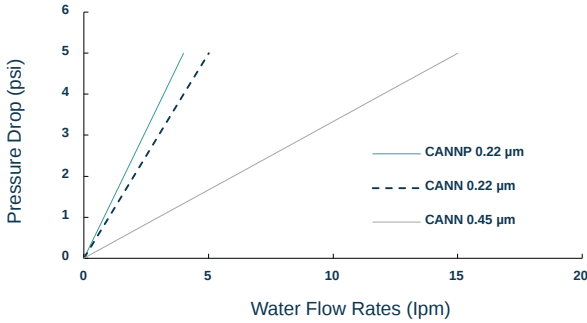


CONSTRUCTION MATERIALS

Filter Media: Nylon-6,6

Supporting Media: Polyester

Core & Cage: Polypropylene



MAXIMUM OPERATING DIFFERENTIAL PRESSURE AND TEMPERATURE

Max Temp 80 °C @ ≤ 2 Kg/cm²

Max Pressure 4.1 Kg/cm² @ 30 °C

Autoclavable 30 autoclave cycles of 30 minutes at 121 °C

INTEGRITY TEST DATA

Bubble Point:

0.22µm: ≥ 3450 mbar (50 psi) (with water wetted)

0.45µm: ≥ 2206 mbar (32 psi) (with water wetted)

Max Air Diffusion Flow (for 10" Capsule):

0.22µm: ≤ 30 mL/min @ 2550 mbar (37 psi)

0.45µm: ≤ 35 mL/min @ 1650 mbar (24 psi)

0.80µm: ≤ 30 mL/min @ 689 mbar (10 psi)

Microbial Retention:

0.22µm: LRV > 7 for *Brevundimonas Diminuta*

0.45µm: LRV > 7 for *Serratia marcescens*

ORDERING INFORMATION CODES:

| Type | | Size | | | Pore Size | | I/O Connection | | Bell | |
|--------------------------|--------|--------|--------------------|------|-----------|------|----------------------------|------|------|------|
| Type | Code | Length | EFA | Code | Micron | Code | Connection | Code | | Code |
| Single Layer | CANN | 1" | 0.02m ² | A | 0.22 µm | 020 | 1/4" SHB | 01 | Yes | BY |
| CANN 0.8µm upstream | CANNR2 | 2" | 0.05m ² | B | 0.45 µm | 045 | 1/4" MNPT | 02 | No | BN |
| | | 5" | 0.10m ² | C | 0.80 µm | 080 | 1/4" BSP | 03 | | |
| | | 8" | 0.20m ² | D | | | 1/4" BSP (O-ring) | 04 | | |
| CANN 0.65µm upstream | CANNR1 | 10" | 0.60m ² | E | | | 1/2" MNPT | 05 | | |
| CANN 0.45µm upstream | CANNQ | | | | | | 1/2" Hose barb | 06 | | |
| CANN (same pore size) | CANNQ | | | | | | 1.5" Sanitary Flange | 07 | | |
| +ve Charged | CANNZ | | | | | | 3/4" Sanitary Flange | 08 | | |
| | | | | | | | Quick connector | 09 | | |
| | | | | | | | 1/2" Single step hose barb | 10 | | |

EXAMPLE: CANNA020101BYSE



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