PoreCap® Positively Charged Nylon- 66 Capsule Filter - Type CANNZ

Nupore PoreCap® positively charged Nylon-66 membrane capsule filters are absolute retention filters for endotoxin removal and sterilization of liquids.

The positively charged Nylon-66 membrane has a cationic functional group added to the membrane which provides an extra functionality of retaining smaller negatively charged particles such as endotoxins.

These are hydrophilic, autoclavable, heat resistant, non-media migrating and biologically inert filters with wide chemical compatibility, ideal for filtration and sterilization of buffers, organic solvents and injectables.

Special Features & Benefits

- 100% integrity tested
- Wide chemical compatibility
- Sterilizing grade performance
- Easy Traceability
- Minimal extractables

Key Applications

- Endotoxin Removal
- Filtration of buffers and other non-aqueous solutions
- Filtration of Aqueous and organic solvents
- Sterilization of hormonal injectables

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 Complaince with Global Standards

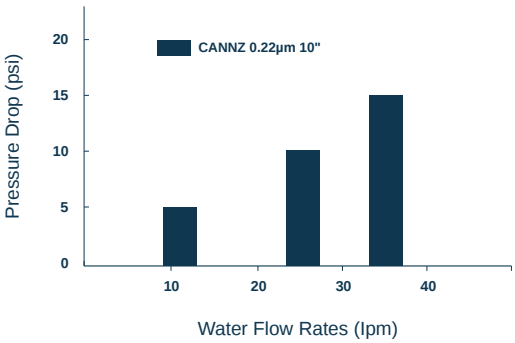
Bacterial Endotoxin	*The filtrate/Aqueous extraction from downstream of the filter exhibited endotoxin result < 0.25 EU/mL when tested as per USP <85> methodology*
Oxidizable Substances	*Oxidizable matter in filtered water meets the USP <1231> Oxidizable Substance Test requirements*
Non-fiber Releasing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

- 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: *Positively Charged Nylon-6,6*
Supporting Media: *Polyester*
Core & Cage: *Polypropylene*



MAXIMUM OPERATING DIFFERENTIAL PRESSURE AND TEMPERATURE

Max Temp	*80 °C @ ≤ 2 Kg/cm²*
Max Pressure	*3.5 Kg/cm² @ 25 °C*
Autoclavable	*1 autoclaveable cycles of 30 minutes at 121 °C*

INTEGRITY TEST DATA

Bubble Point:

0.22µm:	*≥ 3450 mbar (50 psi)* *(with water wetted)*
0.45µm:	*≥ 2428 mbar (32 psi)* *(with water wetted)*

Max Air Diffusion Flow (for 10" Capsule):

0.22µm:	*≤ 30 mL/min @ 2482 mbar (36 psi)*
0.45µm:	*≤ 35 mL/min @ 1650 mbar (24 psi)*

Microbial Retention:

0.22µm:	*LRV > 7 for Brevundimonas Diminuta*
0.45µm:	*LRV > 7 for Serratia marcescens*

ORDERING INFORMATION CODES:

Type

Type	Code
CANNZ Nylon-66 Capsule Filter	CANNZ

Size

Length	EFA	Code
1"	0.02m²	A
2"	0.05m²	B
5"	0.10m²	C
8"	0.20m²	D
10"	0.60m²	E

Pore Size

Micron	Code
0.22 µm	020
0.45 µm	045
0.80 µm	080

I/O Connection

Connection	Code
1/4" SHB	01
1/4" MNPT	02
1/4" BSP	03
1/4" BSP (O-ring)	04
1/2" MNPT	05
1/2" Hose barb	06
1.5" Sanitary Flange	07
3/4" Sanitary Flange	08
Quick connector	09
1/2" Single step hose barb	10

Bell

	Code
Yes	BY
No	BN

Sterilization

	Code
ETO	SE
Gamma	SG
Non-sterile	SN

EXAMPLE: CANNZA020101BYSE

NUPORE®

Nupore Filtration Systems Pvt Ltd

H.O. Plot No. 7 Industrial Area Meerut Road, Ghaziabad, U.P.-201003, India

Branch: Plot No. 76 & 77, Sector-1, HSIIDC, Saha, Ambala Cantt 133104, India

+91120 - 6335825
+91120 - 6335826

sales@nupore.com