

## SC N66 FILTER CARTRIDGES

POSITIVE ZETA NYLON66 MEMBRANE - STERILE LIQUID FILTER

### FEATURES AND BENEFITS

- Inherent water wettability
- Nylon66 filter removes endotoxins through the formation of positive-charged Zeta particles
- High bubble point ensures a more reliable retention efficiency
- Low pressure drops and high flow rates
- Long service life

### TYPICAL APPLICATIONS

- Food and Beverage
- Medical and Health Services
- Pharmaceuticals
- Life Science

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**SC N66** Filter Cartridges are composed of an inherently hydrophilic Nylon 66 membrane. It's specially designed for bio-burden reduction and the final filtration of a wide range of pharmaceutical and biological solutions. A modified Nylon 66 membrane with **positive-charged Zeta particles** is available, which provides enhanced **retention of fine particles especially endotoxins**.

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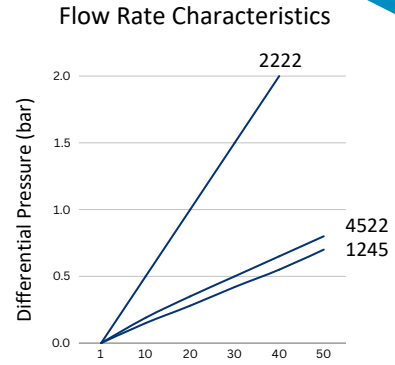
### QUALITY STANDARDS

- Bacterial quantitative retention of 10<sup>7</sup> CFU/cm<sup>2</sup> *Brevundimonas*
- *Diminuta* (ATCC 19146) according to ASTM F838 methodology
- 100% Integrity testing in manufacturing
- Each filter is fully traceable with a unique serial number
- Manufactured in a facility which adheres to ISO 9001:2015 Practices



## MATERIALS OF CONSTRUCTION

Filter Media	Nylon 66 membrane
Support	Polypropylene
Cage/Core/End Caps	Polypropylene
O-rings	Silicone, EPDM, Fluoroelastomer



DN66PC Water Flow Rate (L/min) / 10" @ 20 °C 1.002cP

## OPERATING CONDITIONS

Max. Operating Pressure	6.9 bar (100 psi) at 25 °C 4.0 bar (58 psi) at 60 °C 2.4 bar (35 psi) at 80 °C
Max. Differential Pressure	Forward 6.9 bar (100 psi) at 25 °C 4.0 bar (58 psi) at 60 °C 2.4 bar (35 psi) at 80 °C 2.4 bar (35 psi) at 80 °C Reverse 3.0 bar (44 psi) at 25 °C 1.0 bar (15 psi) at 80 °C
Bubble Point	BP: ≥ 3.0 bar (44 psi), air, 0.22+0.22 / 0.45+0.22µm ≥ 1.2 bar (17 psi), air, 1.2+0.45µm
Diffusion Flow	DF: ≤ 16 mL/min at 2.75 bar (40psi), water wetted, 0.22+0.22µm ≤ 20 mL/min at 2.75 bar (40psi), water wetted, 0.45+0.22µm ≤ 18 mL/min at 1.0 bar (15psi), water wetted, 1.2+0.45µm
Effective Filtration Area	0.58m <sup>2</sup> / Ø69-10 inch 0.22+0.22 / 0.45+0.22µm 0.84m <sup>2</sup> / Ø69-10 inch 1.2+0.45µm

## NYLON 66 CARTRIDGES ORDERING GUIDE

