DN66T Filter CartridgesNylon 66 Membrane·Sterile Liquid Filter

DN66T Filter Cartridges are composed of an inherently hydrophilic Nylon 66 membrane. It's specifically 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 such as endotoxins.

Features and Benefits

- · Intrinsically water wettability
- Modified DN66T 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
- Longer service life

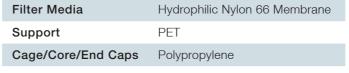
Quality Standards

- Bacterial quantitative retention of 10⁷ CFU/cm² Brevundimonas Diminuta(ATCC 19146) according to ASTM F838 methodology
- 100% Integrity testing in manufacturing .
- Each filter is fully traceable with unique serial number .
- Manufactured in a facility which adheres to ISO 9001:2015 Practices .
- Full Regulatory Compliance with following:
- •Bacterial Endotoxin :Aqueous extraction of autocalved filter contains <0.25 EU/ml as determined by Limulus Amebcyte Lysate (LAL), USP<85>.
- •Non-fiber Releasing :Component materials meet the criteria for a "Non-fiber-releasing filter " as
- •Component Material Toxicity: Meet the requirement of USP <87> In Vitro Cytotoxicity Test: Meet the Criteria of USP<88> Biological Reactivity Test for Class VI-121 C plastics
- *TOC/Conductivity at 25 °C : Autoclaved filter effluent meet the LISP<643> for Total Organic. Carbon and USP<645> for Water Conductivity per WFI requirements after a UPW flush of specified volume .
- •Particle Shedding: Autoclaved filter effluent meet the USP<788>for large volume Injections.
- •Indirect Food Additive: All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177-182, and EU framework regulation [1935/2004/EC].

Typical Application

- Buffer Solutions
- WFI
- LVP & Antibiotics



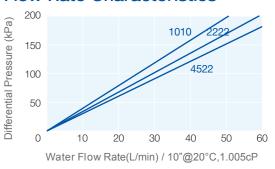


Operating Conditions

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 Reverse 3.0 bar (44 psi) at 25 °C 1.0 bar (15 psi) at 80 °C

0.58m²/ Φ 69-10 inch

Flow Rate Characteristics



Sterilization

Effective Filtration Area

Inline Steam Sterilization	Up to 50 cycles	$(121 ^{\circ}\text{C for } 30 \text{min} < 0.3 \text{bar per cycle}) .$
Autoclave	Up to 50 cycles	(121 °C for 30 minutes) .

Integrity Test Data

Bubble Point	BP : ≥0.38 MPa (water), 0.1 μm +0.1 μm
	BP : ≥0.34 MPa (water), 0.22 μm +0.22 μm
	BP : ≥0.30 MPa (water), 0.45 μm +0.22 μm

Ordering Information

DN66T	Removal Ratings		Nominal Length		-P
	1010 =0.1+0.1μm 2222 =0.22+0.22μm 4522 =0.45+0.22μm 1045 =1.0+0.45μm	HSF=226 /Fin (PBT Insert) HSC=226 /Flat (PBT Insert) HTF=222 /Fin (PBT Insert) HTC=222 /Flat (PBT Insert) DOE=Double Open End	05 =5" 10 =10" 20 =20" 30 =30" 40 =40"	S=Silicone E=EPDM V=Viton P=PFA/Viton	