

# DN66T<sup>®</sup> Filter Cartridges

Nylon 66 Membrane·Sterile Liquid Filter

**DN66T<sup>®</sup>** 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 potential 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 potential
- High bubble point ensures a more reliable retention efficiency
- Low pressure drops and high flow rates
- Longer service life

## Quality Standards

- Integrity Test correlates to ASTM F838-05 Bacterial Challenge Test (BCT)
- Each filter is individually Integrity Tested prior to leaving the factory
- Each filter is Fully Traceable with a unique serial number
- Designed, developed and manufactured in compliance with ISO9001
- Full Regulatory Compliance with the following:
  - 21CFR.210.3(b)(5)(6), 211.72 for Non-Fiber Release
  - Endotoxins: <0.25EU/ml/10inch filter
  - USP <88> Plastic Class VI-121°C
  - FDA 21 CFR177-182 & EU 1935/2004/EC

## Typical Application

- Buffer Solutions
- WFI
- LVP & Antibiotics



## Materials of Construction

Filter Media	Hydrophilic Nylon 66 Membrane
Support	PET
Cage/Core/End Caps	Polypropylene

## Operating Conditions

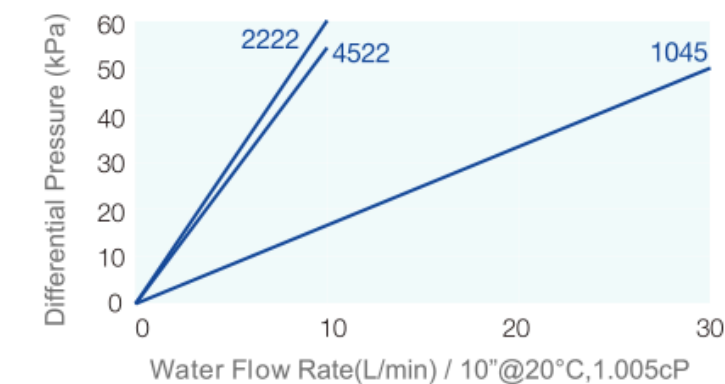
Max. Temperature	80°C
Max. Differential Pressure	4.0 bar / 21°C(forward) 2.4 bar / 80°C(forward)
Effective Filtration Area	0.58m <sup>2</sup> / Φ68-10 inch

## Sterilization

Inline Steam Sterilization	up to 10 cycles (121°C for 30min@30kPa per cycle)
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## 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	End Cap	Nominal Length	Seal Material	-P
	1010 =0.1+0.1μm	HSF=226 /Fin (PBT Insert)	05=5"	S=Silicone	
	2222 =0.22+0.22μm	HSC=226 /Flat (PBT Insert)	10=10"	E=EPDM	
	4545 =0.45+0.45μm	HTF=222 /Fin (PBT Insert)	20=20"	V=Viton	
	1045 =1.0+0.45μm	HTC=222 /Flat (PBT Insert)	30=30"		
		DOE=Double Open End	40=40"		



Sterile Filtration

Bio-burden Reduction

Pre-Filtration

All-Fluorine Filters

Capsule Filters