

BEVPURE® NY FILTER CARTRIDGES

HYDROPHILIC NYLON 66 MEMBRANE FILTERS DESIGNED FOR BIO-BURDEN REDUCTION AND FINAL FILTRATION

BevPure® NY Filter Cartridges are composed of hydrophilic Nylon 66 membrane. These filters are specifically designed for bio-burden reduction and the final filtration of a wide range of food and beverage solutions.

FEATURE	BENEFIT
Hydrophilic Nylon 66 membrane	Ideal for rapid wettability
	High bubble point ensures a more reliable retention efficiency
	Low pressure drop and high flow rates
	Long service life

QUALITY STANDARDS

Quality Assurance	These products are manufactured in a facility which adheres to ISO 9001 Practices.
Bacterial Retention	Retention of 10^7 cfu/cm ² <i>Brevundimonas diminuta</i> (ATCC® 19146) according to ASTM F838
TOC / Conductivity at 25°C	Autoclaved filter effluent meets the USP <643> for Total Organic Carbon and USP <645> for Water Conductivity per WFI requirements after a UPW flush of 50 L.
Particle Shedding	Autoclaved filter effluent meets the requirements in USP <788> for large volume parenterals/injections.
Non-Fiber Releasing	Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)
Bacterial Endotoxin	Aqueous extraction of autoclaved filter contains < 0.25 EU/mL as determined by Limulus Amebocyte Lysate (LAL), USP <85>.
USP <87> Cytotoxicity	Meet the requirement of USP <87> In Vitro Cytotoxicity Test
USP <88> Biological Toxicity	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
Indirect Food Additive	All component materials meet the FDA Indirect Food Additive requirements cited in 21 CFR 177–182.

SPECIFICATIONS

Filter media	Hydrophilic Nylon 66 membrane
Support	PET
Cage/Core/End Caps	Polypropylene
Effective filtration area	0.69m ² (8.1 ft ²)/ Ø69-10 inch
O-rings	Silicone, EPDM, FKM, FEP/PFA encapsulated FKM

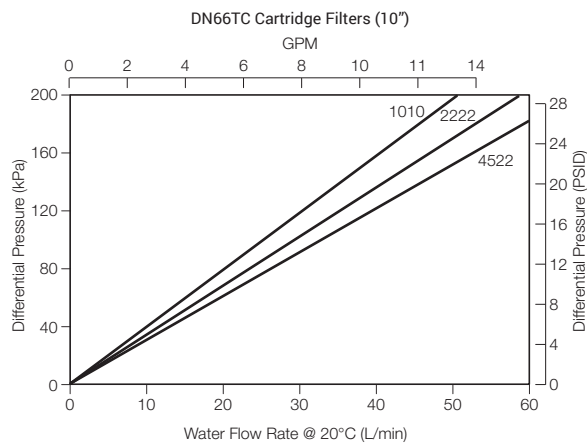


Typical Applications

- Prefilter
- Final Filter
- Clarification
- Water Filtration
- Beverage Filtration

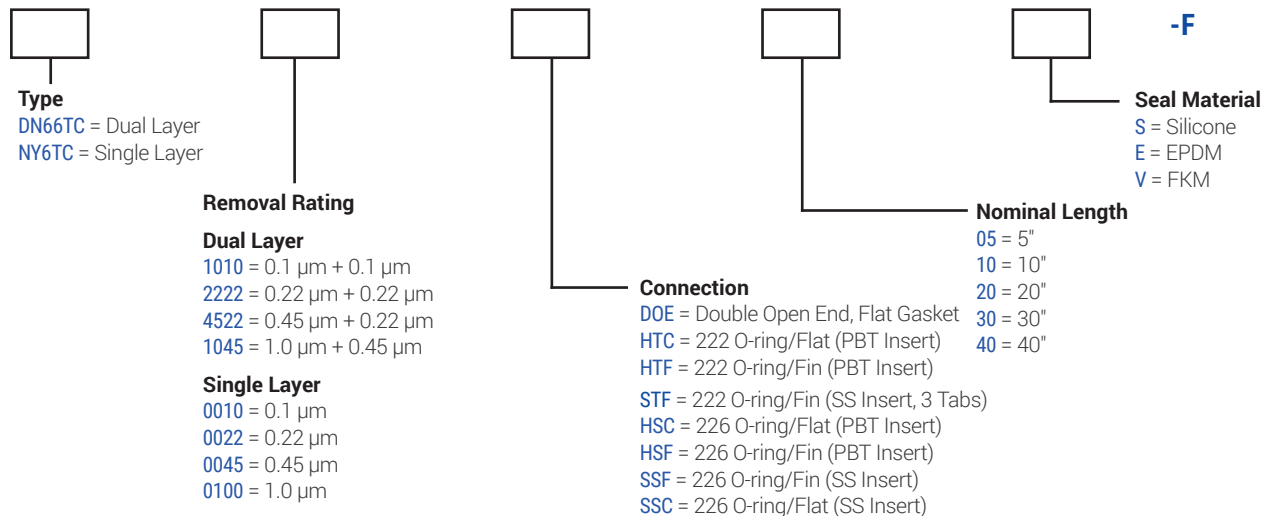
Cartridge Diameter	69 mm (2.7 in.)
Max. Operating Pressure	0.69 MPa (6.9 bar, 100 psi) at 25°C; 0.40 MPa (4.0 bar, 58 psi) at 60°C; 0.24 MPa (2.4 bar, 35 psi) at 80°C
Max. Differential Pressure	Forward: 0.69 MPa (6.9 bar, 100 psi) at 25°C; 0.40 MPa (4.0 bar, 58 psi) at 60°C; 0.24 MPa (2.4 bar, 35 psi) at 80°C Reverse: 0.3 MPa (3.0 bar, 44 psi) at 25°C; 0.1 MPa (1.0 bar, 15 psi) at 80°C
Bubble Point	≥0.38 MPa (3.8 bar, 55 psi) wetted with water of 20°C, 0.1 μm + 0.1 μm ≥0.34 MPa (3.4 bar, 49 psi) wetted with water of 20°C, 0.22 μm + 0.22 μm ≥0.30 MPa (3.0 bar, 44 psi) wetted with water of 20°C, 0.45 μm + 0.22 μm
Steam Sterilization	up to 50 cycles for 30 minutes at 121°C at Max.Differential Pressure of 0.3 bar (4.3 psi)
Autoclave	up to 50 cycles for 30 minutes at 121°C

FLOW RATES



ORDERING INFORMATION

EXAMPLE: **DN66TC2222HSF10S-P** = 0.22 μm + 0.22 μm, 226/Fin with PBT insert, 10" filter with silicone seals



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