



Membrane Technologies

Nylon-66 Membrane Disc Filter Type HNN

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mdi Nylon membrane disc filters are made of Nylon-66 resin. These are hydrophilic, non-media migrating, biologically inert absolute membrane filters useful for aqueous as well as organic solvent filtration. These are HPLC certified to ensure accuracy and reliability of the results besides preventing instrument downtime.

The HNN membranes are produced in validated processes to ensure high inter and intra-lot consistency.

Special Features

- Minimal extractables
- Absolute retention
- High heat resistance
- Wide chemical compatibility
- Absolute reliability
- Biologically inert
- Hydrophilic

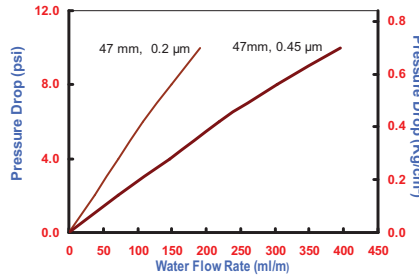
Application

- ◆ HPLC sample preparation and solvent filtration

Integrity Test Data (Bubble Point, Water Wetted)

Pore Size	Bubble Point (Water)
0.2 µm	≥ 50 psi (3.52 Kg/cm ²)
0.45 µm	≥ 32 psi (2.25 Kg/cm ²)

Water Flow Rate



Specification

Material of Construction

Nylon-66 polymer

Pore Size

0.2 µm, 0.45 µm

Diameter

13 mm, 25mm, and 47 mm, 90mm, 142mm

Thickness

150 ± 20 µm

Wettability

Hydrophilic

Bacterial Retention

0.2µm: LRV > 7 for *B. diminuta* as per cm² of filter area

0.45µm: LRV > 7 for *S. marcescens* per cm² of filter area

Maximum Operating Temperature ≤ 80 °C continuous

Sterilization

Autoclavable at 121°C for 30 minutes

Biosafety

Passes the biological tests for Class VI of plastics as described in USP

Fiber Release

Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release

Particle Release:

The filtrate complies with USP <788> test for particulate matter in injectables

Oxidizable Matter

Passes test as per USP

Extractables with Water

Within limits as specified in USP



Ordering Information

Type	Code	Size		Pore Size		XX	XX	Sterility		Pack Size	
		Dia	Code	Code	Code			Code	Qty	Code	
HNN	HNNX	13 mm	03	0.2 µm	01			Non Sterile	1	100	04
		25 mm	06	0.45 µm	02						
		47 mm	09								
		90 mm	14								
		142 mm	16								
Example											
HNNX		09		01		XX	XX	1			04

Data Sheet