

mdj Nylon-66 membrane capsule filters type MDNSZ are self-contained sterilizing grade filters offering wide chemical compatibility.

These have intrinsically hydrophilic, and positively charged membrane for multitude of applications in pharmaceuticals and healthcare laboratories.

The positive potential of the membrane provides higher efficiency for removing contaminants due to retention of endotoxins and other anionic matters.

Key features

- Compact Design
- Positively charged membrane for better filtration efficiency
- Integrity tested
- Low extractables
- Low hold-up volume
- Non-toxic material of construction
- Absolute retention
- High flow rates
- Wide chemical compatibility
- Heat sealed (no adhesive)

Applications

- Sterilization of compatible solvents and chemicals
- Filtration of lab/ ultrapure water

Materials of Construction

Membrane	Positively Charged Nylon-66
Core and Body	Polypropylene

Specifications

Pore Size
0.2 µm

Filtration Area
350 cm²

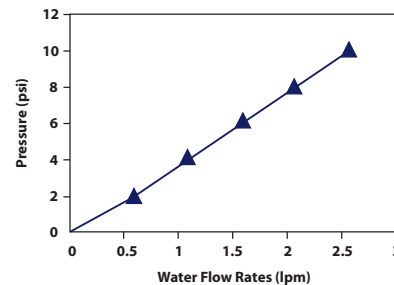
Integrity Test Data (Bubble Point, 50% IPA Wetted)
≥ 17 psi

Retention Efficiency
LRV > 7 for *B. diminuta* (ATCC 19146) per cm²

Maximum Operating Pressure (Differential Pressure)
< 4kg/cm² @ 30°C

Maximum Operating Temperature:
80°C @ < 2Kg/cm²

Typical Water Flow Rates



Hold Up Volume
< 5ml

Biosafety
Passes the Biological tests for Class VI plastics as per USP <88>

Extractables with Water
Passes NVR test as per USP <661>

Oxidizable Matter
Passes test as per USP <1231>

Shelf Life
EO Sterile units: Three years
Non-sterile units: Five years

Storage
Long-term storage may be done at temperatures below 50°C.

Microbially Validated as per ASTM F 838-05
Complies with USFDA 21 CFR Part 210.3(b)(6)
Meets and Exceeds USFDA 21 CFR Part 177.1520

Ordering Information

Type	Size		Pore Size		Inlet /Outlet		X	Bell		Sterility		Pack Size	
	Code	Code	Code	Code	Code	Code		Code	Code	Code	Code	Code	
MDNSZ	MDNZ	2"	52	0.2µm	01	¼" SHB	A	Yes	B	Non-Sterile	1	1	01
						¼" MNPT	B	Bell with Cover	C	EO Sterile	2		
						½" Hose Barb	D						
						1½" Sanitary Flange	E	No	X				
						¾" Sanitary Flange	S						
						Quick Connector	J						

Example

MDNZ	52	01	BA	X	B	2	01
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