

SUPER NYLON DEPTH FILTER

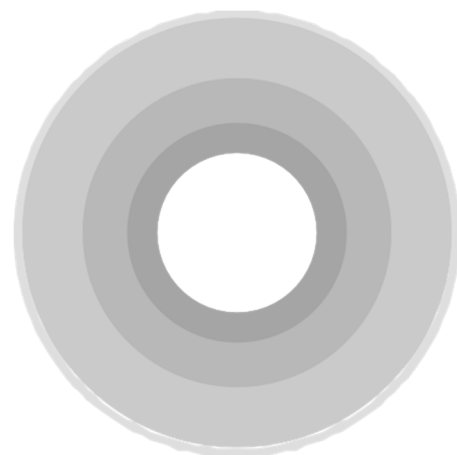
In melt-blown Nylon microfilaments
for critical applications

Depth filter cartridge made from 100% Nylon: resilient, efficient and durable

Depth filtration is an indispensable process to remove residual impurities and drastically reduce the quantity of contaminants above 1 micron.

The NY type, with filtering medium and end caps entirely made of Nylon, has been specially designed for applications that cannot use polypropylene.

The Matrox NY in fact has been conceived for use with critical liquids, such as hydrocarbons, solvents and aromatics, as well as for use in applications where temperatures of over 80°C rule out the use of other polymers.



MATROX NY

Depth filter cartridge made from 100% Nylon: resilient, efficient and durable.

TECHNICAL SPECIFICATIONS

- Rigid structure, withstands contaminant release even at high Δp
- Excellent compatibility with chemicals, including solvents (chlorinated solvents), organic compounds (benzene, Xylene, toluene), hydrocarbons, amines, inks and lacquers
- Withstands temperatures of up to 120°C
- High mechanical strength and non-compressibility properties
- No fiber migration from the filter media
- thermo-bonded construction with no surfactants, binders or adhesives
- all materials meet the requirements of FDA CFR Title 21 for food contact
- in compliance with EC Directive for food contact. Regulation (EU) No.10/2011+amendments;1935/2004-1895/2005

OPERATING CONDITIONS

Max operating pressure (Δp)	120°C @ 0.5 bar 80°C @ 1.0 bar 20°C @ 4.0 bar
Recommended replacement pressure drop	1.5 bar @20°C
Suggested operating pressure range	0.1 to 1.0 bar

DEGREE OF FILTRATION

1.0 - 3.0 - 5.0 - 10.0 - 25.0 μm

FLOW RATE

Water Flow 20°C @0.1 bar /10"	1.0 μm	3.0 μm	5.0 μm	10.0 μm	25.0 μm
Typical Flow Rate	2.5 L/min	5L/min	7L/min	9L/min	11L/min

Extrapolation for multiple housings and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent

MATERIALS

Melt-Blown	Nylon
Inner core	Nylon
End caps	Nylon
Gaskets	Silicone (standard), EPDM, Viton, FEP

SEALING

Ultrasound / Heat sealing

DIMENSIONS

Length	254mm (10")-508mm (20")-762mm (30")-1016mm (40")
Outer diameter	69mm
Inner diameter	26mm

TRACEABILITY

Each filter element is identified by a lot number for complete traceability.