PARSWOOD™

NYLON 66 SERIES / LIQUID FILTRATION

Hydrophilic Nylon 66 Membrane Filter



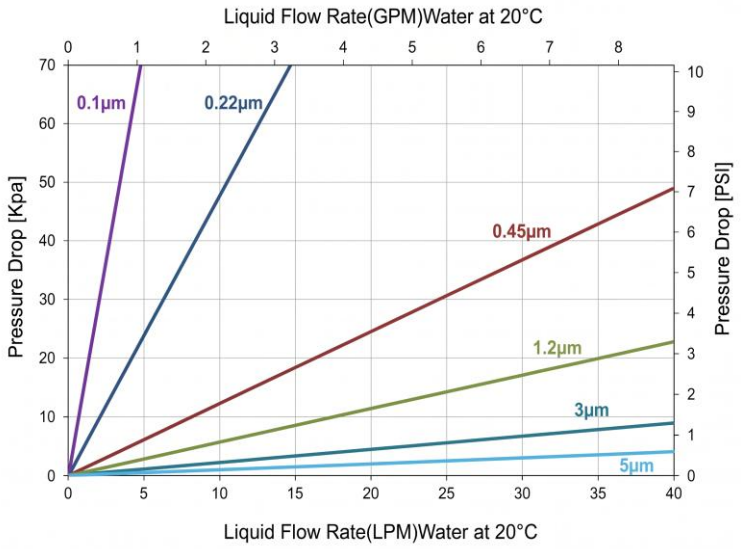
PARSWOOD™ Nylon 66 pleated filter cartridges use an inherently hydrophilic, absolute-rated membrane for filtration of compatible aqueous liquids and solvents. Thermally bonded construction eliminates glues, adhesives and added wetting agents.

Available in 0.1, 0.22, 0.45 and 1.2 µm ratings, with multiple cartridge lengths, end connections and seal options to suit the process and housing.

FEATURES	APPLICATIONS
Hydrophilic Nylon 66 membrane	High-purity water filtration
Absolute-rated filtration	Compatible organic solvents and aqueous co-solvent systems
No adhesives or added wetting agents	Food and beverage process filtration
100% integrity tested	Pharmaceutical process liquids, subject to qualification

MATERIALS DIMENSIONS AND OPERATING LIMITS

MATERIALS	SPECIFICATION	OPERATING PARAMETERS	LIMIT
Membrane	Nylon 66 (N66)	Max. operating temperature	80°C
Support	Polyester (PET)	Max. differential pressure at 25°C	4.0 bar
Standard core / cage / end caps	Polypropylene (PP)	Max. differential pressure at 80°C	2.4 bar
Standard seals	Silicone or EPDM	Steam sterilization temperature	125°C
Outside diameter	69 mm (nominal)	Steam exposure per cycle	30 minutes
Nominal lengths	5, 10, 20, 30, 40 in	Steam sterilization cycles	Up to 30



REFERENCE CURVE

Water at 20°C. Curves show the broader cartridge series, including 3 and 5 µm grades; availability requires confirmation.

Pressure drop depends on cartridge length, fluid viscosity, flow and fouling. Confirm sizing for the selected configuration.

QUALITY

Cleanroom manufacture under an ISO 9001:2015 certified quality management system. PP components meet USP Class VI at 121°C specifications for plastics.

TECHNICAL NOTES

Steam exposure limits are separate from continuous operating limits. Confirm fluid compatibility, housing fit and the approved sterilization procedure. Absolute rating and integrity testing alone do not establish sterilizing-grade bacterial retention. Performance data represent laboratory conditions; qualify the cartridge for the intended process.

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Configuration and Ordering Guide

Use the PARSWOOD™ part number to identify the membrane, removal rating, end connection, length, seal and core. Confirm the complete configuration when requesting a quotation or placing an order.

NY022B10SP

NY + 022 + B + 10 + S + P

Example configuration

Membrane	Rating	End connection	Length	Seal	Core
NY	022	B	10	S	P
Nylon 66	0.22 µm	226 / Fin	10 inches	Silicone	Polypropylene

PARSWOOD ordering codes

Field	Code and configuration
Membrane	NY = Nylon 66 membrane
Removal rating	010 = 0.1 µm 022 = 0.22 µm 045 = 0.45 µm 120 = 1.2 µm
End connection	N = DOE F = 222 / Flat J = 226 / Flat C = 222 / Fin B = 226 / Fin
Nominal length	5 = 5 inches 10 = 10 inches 20 = 20 inches 30 = 30 inches 40 = 40 inches
Seal material	S = Silicone E = EPDM
Core	P = Polypropylene S = Stainless steel

Configuration notes

Connection codes follow the PARSWOOD™ coding convention. Confirm adaptor reinforcement, seal compatibility and housing fit with the quotation. Availability and operating limits depend on the complete cartridge configuration; not every combination is necessarily stocked.

IMPORTANT TECHNICAL NOTICE

Technical information is derived from supplier product-family literature for evaluation. It is not a product-specific qualification or performance guarantee. The purchaser is responsible for verifying dimensional compatibility, process conditions, food-contact and validation requirements, and fitness for its intended application.