

HixFlow® N66

HixFlow® N66 cartridges are filters with a Nylon 66 membrane of testable integrity, specially developed for bacterial retention in the food and beverage industry. They feature a hydrophilic N66 membrane that offers high performance, low levels of extractables and superior microbiological safety.

Features

Ample chemical compatibility
Low extractables
High performance
Testable integrity



Quality

Cartridges produced in a controlled environment
Manufactured according to the ISO9001 Quality Management
The filter complies with the norms and regulations of materials approved to be in contact with food

Specifications

Materials

Membrane: Hydrophilic Nylon 66 (N66)
Support and drainage: Polypropylene (PP)
O-rings: Silicone, EPDM or Viton
Sealing technology: Thermal bonding, without adhesives
Core & Housing: Polypropylene (PP)

Dimensions

Diameter: Ø 68mm
Length: 10", 20", 30"

Retention, µm

0.2, 0.45, 0.65, 1.0

Filtration Area

10"	7.86 ft²	0.73 m²
20"	15.7 ft²	1.46 m²
30"	23.6 ft²	2.19 m²

Adapter

Double O-Ring 226 Lock (S7) & Double Open End (DOE)

Working Characteristics

Max. Working Pressures and Temperatures

Δp 4.1bar @ 23°C
Δp 1.5bar, 2.1 bar @ 85°C

Integrity Test (at 23°C) *for every 10" of cartridge

	Bubble Point	Diffusive Flow*
0.2µm	≥2800 mbar	≤80ml/min/10" @ 2.3 bar
0.45µm	≥1200 mbar	≤30ml/min/10" @ 0.8 bar
0.65µm	≥800 mbar	≤30ml/min/10" @ 0.6 bar

Bacterial Endotoxins

0.25 EU/ml determined by LAL test.

Typical Flow Rate (per 10" of cartridge at 210 mbar)

0.2µm ≥ 7 L/min
0.45µm ≥ 15 L/min
0.65µm ≥ 28 L/min
1.0µm ≥ 33 L/min

Bacterial Retention

0.2µm > 10⁷ CFU/cm² *Brevundimonas diminuta*
0.45µm > 10⁷ CFU/cm² *Serratia marcescens*
0.65µm > 10⁷ CFU/cm² *Saccharomyces cerevisiae*

Sterilization

Autoclaving at 134°C, 30 min, 1 bar, min. 20 cycles.
SIP 121°C 30 min.

Ordering Information

Name		Filter Media		Type		Pore Size		Length		Adapter	
HF		NY		A		06		30		S7	
HP	HixFlow	NY	Nylon 66	A	Absolute	02	0.2µm	10	10"	S7	Double O-ring 226 Lock
						04	0.45µm	20	20"	DOE	Double Open End
						06	0.65µm	30	30"		
						10	1.0µm				