

HixWine® & HixWine XL® PES

HixWine® & HixWine XL PES cartridges are filters with a Polyethersulfone membrane of testable integrity, specially developed for microbiological stabilization.

They are characterized by high performance, high flows, low levels of extractables and superior quality of microbiological safety.

Features

Ample chemical compatibility
Low extractables
High Flow rates
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 and Working Information

Materials

Membrane: Heterologous Polyethersulfone (PES)
Support and drainage: Polypropylene (PP)
O-rings: Silicone, EPDM or Viton
Sealing technology: Thermal bonding, without adhesives
Core & Housing: Polypropylene (PP)
Diameter: Ø 68mm
Length: 10", 20", 30"

Retention, µm

0.2, 0.45, 0.65, 1.0

Filtering Area

	HixWine		HixWine XL	
10"	6.7 ft ²	0.62 m ²	7.75 ft ²	0.72 m ²
20"	13.4 ft ²	1.24 m ²	15.5 ft ²	1.44 m ²
30"	20.4 ft ²	1.86 m ²	23.25 ft ²	2.16 m ²

Adapter

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

Max. Working Pressures and Temperatures

Δp 5.5bar @ 0-38°C
Δp 4.1bar @ 66°C
Δp 1.5bar @ 82°C

Bacterial Endotoxins

0.25 EU/ml determined by LAL test.

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/SIP at max. 134°C, 30 min, 1 bar, min. 20 cycles

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

	HixWine	HixWine XL
0.2µm	≥ 18 L/min	≥ 22 L/min
0.45µm	≥ 25 L/min	≥ 31 L/min
0.65µm	≥ 30 L/min	≥ 37 L/min
1.0µm	≥ 37 L/min	≥ 45 L/min

Integrity Test (at 23°C)

	Bubble Point		Diffusive Flow	
	HixWine / XL	HixWine	HixWine XL	
0.2µm	≥ 3200 mbar	≤ 30 ml/min/10" @ 2.8 bar	≤ 36 ml/min/10" @ 2.8 bar	
0.45µm	≥ 2100 mbar	≤ 25 ml/min/10" @ 1.7 bar	≤ 30 ml/min/10" @ 1.7 bar	
0.65µm	≥ 1200 mbar	≤ 15 ml/min/10" @ 0.6 bar	≤ 18 ml/min/10" @ 0.6 bar	

Ordering Information

Name		Filter Media		Type	Pore Size		Length		Adapter		Area	
HW		PE		A	06		30		S7		XL	
HW	HixWine	PE	PES	A	02	0.2µm	10	10"	S7	Double O-ring 226 Lock		0.62 m ² / 10"
					04	0.4µm	20	20"	DOE	Double Open End	XL	0.72 m ² / 10"
					06	0.6µm	30	30"				
					10	1.0µm	40	40"				

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