

High Flow Cartridges

High Flow cartridges are constructed with microfibers of Polypropylene. Its unique pleated geometry provides a superior chemical compatibility, particle retention, and extremely high flows. These filters protect the final filters improving its useful life and reducing costs.

Features

- Ample chemical compatibility
- Low extractables
- High Flow rates
- Low protein binding



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: Polypropylene (PP)
Support and drainage: Polypropylene (PP)
O-rings: Silicone, EPDM or Viton
Sealing technology: Thermal bonding, without adhesives
Core (Optional): Polypropylene (PP)
Housing: Polypropylene (PP)

Dimensions

Diameter: Ø 161mm / Length: 20", 40", 60"

Filtering Area

20"	24 ft²	2.2 m²
40"	49 ft²	4.6 m²
60"	73 ft²	6.8 m²

Retention, µm

0.5, 1, 3, 5, 10, 20, 50 (available in single, double, triple layers)

Working Characteristics

Max. Working Pressures and Temperatures

Δp 4.1bar @ 82°C
Δp 3bar @ 121°C

Maximum Flow Rate @ 0.5 bar

20" ≥ 40 m³/hr
40" ≥ 70 m³/hr
60" ≥ 70 m³/hr

Sterilization

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

Ordering Information

Name		Filter Medium		Type		1st, 2nd, 3rd Layer			Length	
HF		PP		N		10	30	50	20	
HF	High Flow	PP	Polypropylene	N	Nominal	05		0.5µm	20	20"
						10		1.0µm	40	40"
						30		3.0µm	60	60"
						50		5.0µm		
						11		10µm		
						21		20µm		
						51		50µm		
						--		no layer		