



FOW Series

High Flow String Wound Cartridges

Description

FOW Series High Flow String Wound Cartridges are made 100% pure high-quality PP, FDA-approved. It's constructed by thermal welding technology with large diameter, which could greatly save water treatment plant footprint and reduce filter change-out cost. All polypropylene components construction provides excellent chemical resistance to acids, bases, salts and many organic solvents in a board range of processes.

FOW series cartridges have an inner core, which significantly increases their resistance to pressure spike, and also prevents the release of fibers to the filtered liquid. The wound cartridges are equipped with a special connector: holder for easy installation of the filters in the housing and a sealing end which prevents the ingress of contaminant particles into the liquid. High flow wound cartridges are ideal for water treatment application such RO pre-treatment, food and beverage processing, fine chemicals and coating, etc.



Features

- Easy installation and cartridges replacement, ideal for sea water application
- High flow rate, low pressure differential, high dirt holding capacity and long service life
- PP core available provides excellent strength of cartridge and high contaminant removal efficiency
- 100% PP construction provides excellent chemical compatibility with a variety of process fluids and applications
- Honeycomb construction provides optimum particle retention and prevents media migration, ensures consistent filtration performance

Specification

Filter Media	Polypropylene
Length	23 inch, 40 inch
End Cap OD	145mm
Inside Diameter	76mm
Filtration Rating	1µm, 5µm, 20µm, 50µm
Internal Core	Polypropylene (PP)
End Cap Material	Polypropylene (PP)
Seal Material	Buna-N, Silicone, Viton

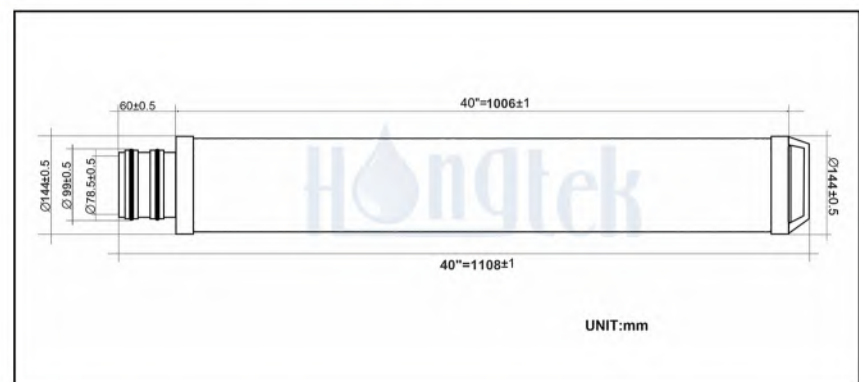
Application

- RO Pre-treatment
- Sea Water Desalination
- Industrial Water Treatment
- Fine Chemicals and Coatings
- Food & Beverage Processing
- Pharmaceutical and Cosmetics
- Municipal & Potable Water System

Operation Data

Max. Working Temperature	80°C
Max. Working Pressure	6 bar
Max. Differential Pressure Suggested	2 bar
Recommended Change-out Differential Pressure	1 bar
Suggested Maximum Flow Of Water	23inch length: 15 m³/h 40inch length: 28 m³/h
Liquid Flow Direction	Outside to Inside
Typical Surface Area	0.27 m² per 23" string wound cartridge 0.47 m² per 40" string wound cartridge

Tech Support



Order Information

FOW	Material	Length	Filtration Rating	Open End Type	O-ring Material
FOW Series High Flow String Wound Filters	PP = Polypropylene	23 = 23"	1 = 1µm	D = Double O-rings	S = Silicone
			5 = 5µm		N = NBR
		40 = 40"	20 = 20µm		V = Viton
			50 = 50µm		

For Example:

FOW-PP-40 -5-D-N

FOW Series High Flow String Wound Cartridges - Polypropylene - 40"- 5µm - Double O-rings - NBR

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