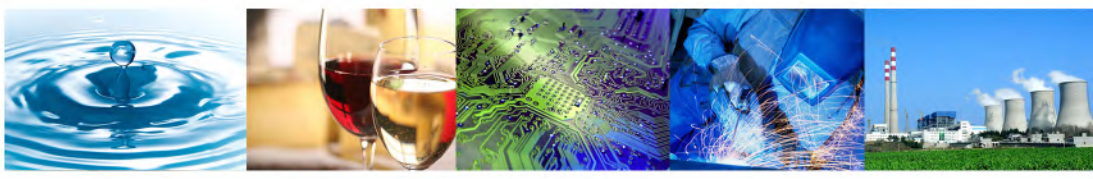
Hongtek®
Make Better Filtration



ESW Series

String Wound Cartridge Filters

Description

ESW Series String Wound Cartridges are developed depth wound filters by Hongtek China, which are made of continuous filament yarn along with strong polypropylene and spiral stainless steel central cores. Length of 60 inchs & 70 inchs of wound cartridge filters are specially designed for boiler water systems of power plant production facilities. Extra-long fiber of power plant wound filter cartridges means longer and larger surface filtration area. Condensate wound filters possess wide chemical compatibility for oil, water, acids and alkalis, high flow rates, low differential pressures and long service life, so are qualified to meet requirements of increasingly stringent boiler feed water fields.

Features

- Power plant wound cartridges possess flow rate and long service life
- Power plant wound filter cartridges have high resist-pressure and no distortion
- DOE or extended stainless steel thread adapter, easy installation into existed housings
- 60 inch & 70 inch string wound cartridge filters have larger area for high flow applications
- Condensate wound filter cartridges own wide chemical compatibility for oil, water, acids and alkalis

Specification

Filter Media	PP, Bleached Cotton, Glass Fiber (threadiness or twisting)
Length	60"(1524mm), 70"(1778mm) According to customers requirements
Inside Diameter	28mm, 30mm (Special ID can be customized)
Outside Diameter	2.4" (61mm), 2.5" (63mm) Special OD is accepted
Filtration Rating	1μm, 5μm, 10μm, 20μm, 30μm, 50μm, 75μm, 100μm
Core Material	PP, SUS304, SUS316
Gasket/O-ring	Silicone, EPDM, Viton, Buna-N
End Cap Type	DOE, Extended Thread Adapter 1 3/16"(1.19") 24 threads/inch , Extended Core, Extended Thread Adapter 1/4" 20 threads/inch

Application

- RO Pre-filtration
- Plating Solutions
- Oil Water Separation
- Condensate Filtration
- Petrochemical Process
- Cooling and Boiler Water
- Power Plant Water Treatment
- Electronics and Semiconductor
- Industrial Wastewater Treatment

Operation Data

Max. Operating Temperature	Polypropylene (PP): 60°C (140°F)
	Bleached Cotton with SUS Core: 150°C (300°F)
	Glass Fiber with SUS Core: 400°C (750°F)
Max. Differential Pressure	2.7 bar at 27°C (50 psi at 80°F)
	1.4 bar at 60°C (20 psi at 140°F)
	0.7 bar at 82°C (10 psi at 180°F)
Recommend Change out Differential Pressure	2.0 bar (29 psi)

Order Information

ESW	Filter Media	Length	ID	OD	Micron Rating	Core Material	End Cap
ESW Series String Wound Cartridge Filter	PP = PP	60 = 60"	A = 28mm	C = 61mm	1 = 1μm	P = PP	D = Double Open End
					5 = 5μm		
	BC = Bleached Cotton				10 = 10μm		EX = Extended Core
					20 = 20μm	S4 = SUS 304	
	GF = Threadiness Glass Fiber	70 = 70"	B = 30mm	M = 63mm	30 = 30μm		T24 = Extended Thread Adapter 1 3/16"(1.19") 24 threads/inch
					50 = 50μm		
	TF = Twisting Glass Fiber				75 = 75μm	S6 = SUS 316	T20 = Extended Thread Adapter 1/4" 20 threads/inch
					100 = 100μm		

For Example:

ESW-GF-60-B-M-5-S4-D

ESW Series String Wound Filters - Threadiness Glass Fiber - 60" - 30mm - 63mm - 5μm - SUS 304 - Double Open End.

Special specifications String Wound Cartridge Filters can be customized, such as special ID, OD, length and end caps etc.

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