



FILTRATION | FILTRATION@JOHNBROOKS.CA



HW Series

Filter Cartridges

String Wound

An economical, filter element that can be used in a wide range of applications. The HW filter cartridge is constructed of various media for chemical compatibility. A string wound cartridge is made by diagonally winding a precise pattern of selected fibers on a center core. The pattern is designed to create hundreds of identical, tapered spiral passage ways. HW filter cartridges offer high efficiency at low cost.

Product Specifications

Media: Polypropylene, FDA Polypropylene, Natural Cotton, Bleached Cotton, FDA Bleached Cotton, Fiberglass, Fiberglass Baked, Polyester, Rayon

Core: Polypropylene, Tin Plated Steel, 304/ 316 Stainless Steel

Dimensions

Nominal lengths:

4.75", 5", 9.75", 10", 20", 30", 40",
12.6, 12.7, 24.8, 25.4, 50.8, 76.2, 101.6 cm

Outside Diameters:

T: 1.5", R: 1.75", B: 2", F: 2.375", A: 2.5",
S: 2.625", D: 2.75, E: 3", J: 3.75", BB: 4.0"
BBS: 4.5"

Operating Parameters

Maximum differential pressure:

25 psid @ 170°F (1.7 bar @ 77°C)

Recommended change-out pressure:

30 psid (2 bar)

FEATURES & BENEFITS

- Available in nominal ratings from 0.5 to 200 microns
- Various Core Materials are available - for excellent collapse strength
- Available in various diameters
- Available in Double Open Ended (DOE) or Single Open Ended (SOE)
- Suitable for all Housings
- Easy to Install and Remove
- Wide Variety of End Fittings are available
- High Dirt Holding Capacity

CORE CONFIGURATIONS

- Tinned Steel
- Stainless Steel
- Polypropylene

CERTIFICATIONS

- NSF 61: Certified to NSF/ANSI STD 61 for materials requirements only - Component

TYPICAL APPLICATIONS

- Chemicals
- Potable Water
- Petroleum
- Aqueous Solutions
- Well Water
- Fatty Acids
- Food & Beverage
- Vegetable Oils

HW NOMENCLATURE INFORMATION

Filter Type	Filter Material	Retention Rating (microns)		Filter Diameter (Inches)		Nominal Length	Core Material	Optional Features
HW Series	C-Bleached Cotton	0.5	30	T-2.5"	D-2.75"	-4.75"	T- Tin Plated Steel	PE-Poly Extender
	CC-FDA Bleached cotton	1	40	R-1.75"	E-3"	-5"	P-Polypropylene	S-Spring
	R-Rayon	3	50	B-2"	J-3.5"	-9.75	S-316 Stainless Steel	E-With core Extender
	G-Fiberglass	5	75	F-2.375"	BB-4.00"	-10	A-304 Stainless Steel	X-Crimper Core
	GB-Fiberglass-Baked	10	100	A-2.5"	BBS-4.5"	-19.5	X-Special	Extension
	P-Polypropylene	20	150	S-2.625"		-20		Cap 1- 222 O-ring (EPDM)/ Closed cap
	PP-Polypropylene FDA	200				-29.25		Cap 2- 226 O-ring (EPDM)/ Closed cap
	PE-Polyester					-30		X-Special
						-39		
						-40		
Example: HWP10A-10A								
HW	P	10		A		-10	A	

TEMPERATURE COMPATIBILITY CHART

Material	Polypropylene Core	Metal Core
Cotton	140° F (60° C)	250° F (121° C)
Glass	140° F (60° C)	750° F (402° C)
Nylon	140° F (60° C)	275° F (135° C)
Polypropylene	140° F (60° C)	180° F (82° C)
Polyester	140° F (60° C)	275° F (135° C)
Rayon	140° F (60° C)	275° F (135° C)



Certified to
NSF/ANSI Standard 61 for
materials requirements only.

COMPONENT



**SPRAYING
PUMPING
FILTERING
AND VALVES**

1-877-624-5757
www.johnbrooks.ca