

# DEPTH FILTER

## HW (STRING WOUND)

HW cartridges are wound, each layer of roving is napped to increase filtration area and capabilities. This is designed for applications when reliable and consisted depth filtration is required. A broad range of media provides excellent chemical compatibility including chemicals, magnetic coatings, food & beverage, oil production, air & gas etc.

### Features

- Conventional and classical type filter
- Low maintenance cost
- Suitable for high temperature and pressure process
- Excellent chemical compatibility
- Available in a wide range of materials
- Available in a wide range of materials and micron ratings



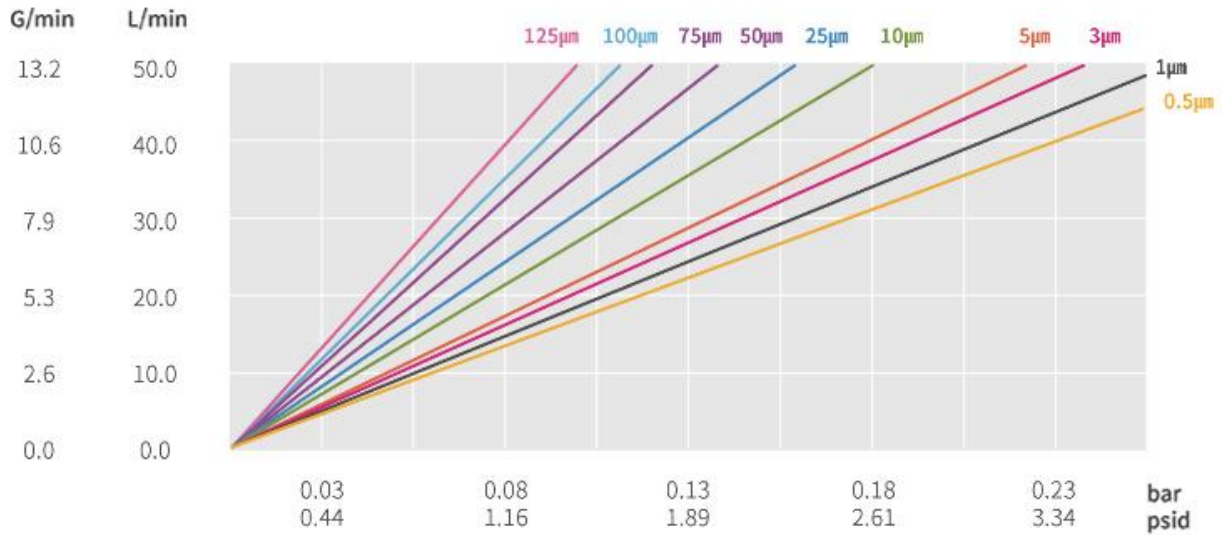
### Applications

- Chemical Industry
- Oil & gas Industry
- Food & Beverage Industry
- General Process Industry

### Specification

<b>Dimension &amp; Structure</b>	OD	63.5 / 110 mm
	ID	28 / 30 mm
	Length	250mm(10") / 500mm(20") / 750mm(30") / 1,000mm(40")
<b>Materials of Construction</b>	Media	Polypropylene, Polyester, Cotton, Fiber glass, Acryl
	Inner core	Polypropylene / 304ss / 316ss
	O-Ring&Gasket	Silicone, EPDM, Viton, TEV & Foamed polyethylene
	Type	DOE / 226 Flat / 222 Flat / 226 Fin / 222 Fin / EO
<b>Operating Conditions</b>	Max. differential pressure	30 psid / 2.1 bar at 60°C
		60 psid / 4.2 bar at 30°C
	Max.operating temperature	304 SS, 316 SS core 140°C
		PP core 80°C

## Pressure Drop (Water Flow Rate) - 10 inch (250mm) Cartridge



## Ordering Information

HW - 230 - 010 001 - A

Code-Size	
210	2.5" x 10"
220	2.5" x 20"
230	2.5" x 30"
240	2.5" x 40"
410	4" x 10"
420	4" x 20"
430	4" x 30"
440	4" x 40"

Code-Micron	
0005	0.5
001	1
003	3
005	5
010	10
025	25
050	50
075	75
1000	100
1250	125

Code-Media	
001	Polypropylene
002	Polyester
003	Cotton
004	Fiber glass
005	Acryl

Code-Core	
A	PP
B	304 SS
C	316 SS

## Liquid Particle Removal Ratings

Pore Size ( $\mu\text{m}$ )	Mddia	$\beta = 1000$ 99.90%	$\beta = 100$ 99.00%	$\beta = 10$ 90.00%
0.5	Polypropylene	9	5	1
	Cotton	7	3	1
	Fiber glass	7	3	1
1	Polypropylene	11	8	3
	Cotton	10	7	3
	Fiber glass	10	7	3
3	Polypropylene	13	8	5
	Cotton	11	7	4
	Fiber glass	11	7	4
5	Polypropylene	16	12	9
	Cotton	13	10	8
	Fiber glass	13	9	8
10	Polypropylene	25	16	12
	Cotton	22	15	10
	Fiber glass	21	13	10
25	Polypropylene	37	30	23
	Cotton	35	29	21
	Fiber glass	33	28	19
50	Polypropylene	70	50	35
	Cotton	65	48	32
	Fiber glass	60	46	30
75	Polypropylene	78	58	45
	Cotton	71	56	41
	Fiber glass	69	52	37
100	Polypropylene	95	80	53
	Cotton	85	76	51
	Fiber glass	82	69	48