

Datasheet TechDepth-W

Wound Depth Filter Cartridges

TechDepth-W wound filter cartridges are developed based on extensive experience in filtration technology. These filters provide high quality at a low cost, supported by fast, advanced production machinery.

An ideal choice for challenging applications where either chemical compatibility or temperature are extreme.



Features & Benefits

- A wide selection of core and yarn materials offers broad chemical compatibility and excellent temperature resistance. This makes wound filters an ideal choice for applications requiring robust performance under challenging chemical or thermal conditions
- Utilising a unique winding patterns create a diamond-shaped matrix that becomes progressively tighter toward the core (graded density), ensuring a high dirt-holding capacity and an extended service life.
- The yarn is typically brushed (napped) during production, increasing the effective filtration void area. This enhances both efficiency and lifespan while maintaining a rigid, stable structure throughout operation.
- Graded density, true depth filtration giving high dirt holding capacity and long service life.
- Automated production process, consistent performance and efficiency.
- Polypropylene and cotton versions approved for use in contact with food and beverage according to EC 1935/2004.

Technical Specifications

Recommended Operating Conditions		
Recommended	▲ P	2 bar
Maximum	▲ P	4 bar
Recommended Operating Temperatures		
Cotton	ss core	150 °C
	PP core	70 °C
Polypropylene	ss core	90 °C
	PP core	70 °C
Polyester	ss core	120 °C
	PP core	70 °C
Glass Fibre	ss core	400 °C
	Nylon	140 °C
Standard Diameter <i>(special sizes on request)</i>		
Outside Diameter	63 mm	115 mm
Inside Diameter	27 mm (PP core)	29 mm (ss core)
Available Micron Ratings (µm)		
1, 5, 10, 25, 40, 50, 75, and 100 micron		
Available Lengths		
4" up to 70" (standard 10", 20", 30" & 40")		
End Caps		
DOE, 222, 226		
Gaskets		
EPDM, Nitrile, Silicone, FEP, and Viton		

Disclaimer

All information provided is indicative and subject to change without prior notice. Final suitability must be confirmed by application-specific evaluation.

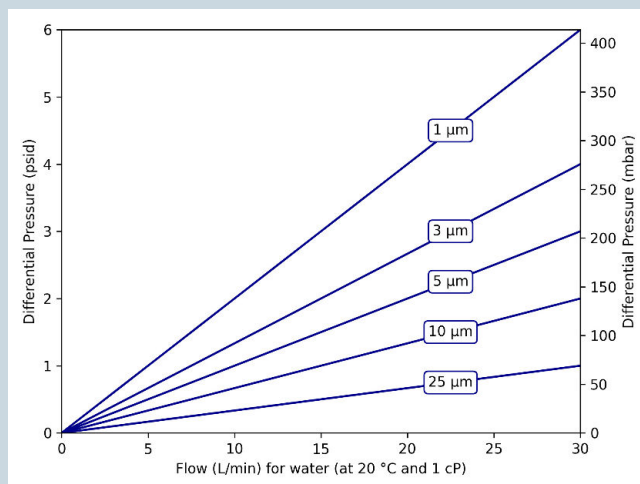
Applications

- Food and beverage & process water
- Fine chemicals and solvents
- Coatings (solvents, inks, and dyes)
- Plating Baths
- Waxes and oils
- General industrial applications

Installation

- Install in a compatible industrial or sanitary filter housing
- Flush thoroughly before commissioning
- Operate within the temperature and pH limits

Flow Properties



Ordering information					
Media	Micron	Core	Length	Endcap	Seal
WP - PP WC - Cotton WG - Glass WN - Nylon WPE - PE	1 5 10 25 50 75 100	S - steel P - PP	10 - 250mm 20 - 508mm 30 - 762mm 40 - 1016mm	Blank - DOE EG - 222 / flat EH - 222 / fin FG - 226 / flat FH - 226 / fin	S - Silicone N - Nitrile V - Viton E - EPDM

Example article code: WP10P40FHE

Example article description: TechDepth-W PP, 10um, PP core, 40", 226 bayonet/fin, EPDM