

# Tekfil™ SW

## String Wound Cartridge Filters



The Tekfil™ SW range of precision wound filter cartridges are suitable for many filtration applications. Available in a wide range of media types and with either polypropylene or steel cores allows for wide chemical compatibility.

The choice of glass fibre on a steel core will allow for operating temperatures of up to 400°C with a broad spectrum of solvents.

### Typical Applications

- Food and beverage
- Fine chemicals and solvents
- Coatings
- Photographic chemicals
- Metal finishing electroplating
- Water treatment prior to reverse osmosis
- Cosmetics product filling

### Ordering Information

Product Code: 1 2 3 4 5 6 7 8 9																	
1: Nominal		2: Media		3: Micron		4: Core		5: Length		6: Diameter		7: Bottom End Cap		8: Top End Cap		9: Seal Material	
TSW	Tekfil™ SW	P	Polypro.	01	1	P	Polypro.	5"	-	ID 28mm		-	None	-	None	E	EPDM
		WP	Washed PP	05	5	S	Stainless steel 316/316L	9 7/8"		OD 64mm		E	222	G	Flat	N	Nitrile
		K	Glass Fibre	10	10			10"				F	226	H	Fin	S	Silicone
		C	Cotton	20	20			20"		ID 28mm						T	FEP
				25	25			30"		OD 110mm						V	Viton®
				75	75			40"									
				100	100												

For DOE filters, options from tables 7 to 9 are omitted from the product code.

## Features and Benefits

- Nominal removal ratings from 1-100µm.
- Graded depth filter maximises dirty holding capacity and life-time of service.
- Broad range of media types and core material options allows wide chemical compatibility and operation at high temperatures.
- Lengths from 5" to 40" as standard, but with the option of longer lengths on request.
- Full range of end cap styles available or available with plain ends (illustrated). Note that glass fibre wounds are only available in plain ends.
- FDA grade polypropylene can be used for the media and core.
- Available with polypropylene or steel cores.

## Specifications

### Materials of Manufacture

Filter media:	Polypropylene Washed Polypropylene Glass Microfibre Cotton
Core type:	Polypropylene 316/316L Stainless
Steel	
End caps:	Polypropylene
Seals:	Nitrile EPDM Silicon Viton® PTFE

### Recommended Changeout Pressure

2 barg @ 20°C

## Operating Temperatures

- Cotton on Polypropylene core  
60°C (140°F)
- Polypropylene on Polypropylene core  
60°C (140°F)
- Glass Fibre on Polypropylene core  
60°C (140°F)
- Cotton on stainless steel core  
120°C (248°F)
- Polypropylene on stainless steel core  
85°C (185°F)
- Glass Fibre on stainless steel core  
400°C (752°F)

## Flow Rate Vs Pressure Drop

