porvair filtration group

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	
TSW	Tekfil™ SW

2: Media	
P	Polypro.
WP	Washed PP
K	Glass Fibre
C	Cotton

3: Micron	
01	1
05	5
10	10
20	20
25	25
75	75
100	100

4: Core	
P	Polypro.
S	Stainless steel 316/316L

5: Length
5"
9.⅞"
10"
20"
30"
40"

6: Diameter	
-	ID 28mm OD 64mm
LD	ID 28mm OD 110mm

7: Bottom End Cap	
-	None
E	222
F	226

8: Top End Cap	
-	None
G	Flat
H	Fin

9: Seal Material	
E	EPDM
N	Nitrile
S	Silicone
T	FEP
V	Viton®

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

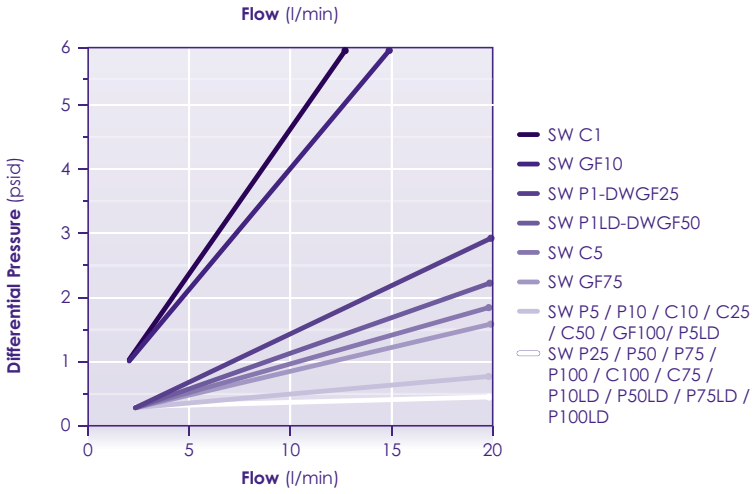
Recommended Changeout Pressure

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



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