

Tekfil™ CR

Absolute Rated
Depth Filter Cartridge
Cryptosporidium Grade



Tekfil™ CR is an absolute rated polypropylene depth filter cartridge optimised for the removal of Cryptosporidium Oocysts.

Tekfil™ CR grade filters have been tested by an independent, ISO17025:2017 accredited laboratory and found to achieve >99.9993% removal of live Cryptosporidium oocysts, an LRV of >5.2.

The Tekfil™ CR grade has been manufactured from very fine fibres to maximise removal efficiency without compromising flow rate, pressure drop, or dirt holding capacity.

Independently tested for levels of extractibles using water, ethanol and acetic acid as simulants, and compliant with EC Directive 1935:2004 for food contact.

The materials used in the construction of Tekfil™ CR filter elements conform to the relevant requirements for food contact and are listed in the United States FDA Code of Federal Regulations (CFR) Title 21.

To ensure structural integrity and a positive seal in filter housings, Tekfil™ CR grade filters are only available with thermally welded endcaps and an injection moulded centre core.

Typical Applications

- Mineral water
- Food processing
- Embarkation water supply
- Leisure

Ordering Information

Product Code:		1	2	3	4	5	6			
1: Code		2: Length		3: Grade	4: End Cap 1		5: End Cap 2		Gasket	
CR	Cryptofil™ CR	9.75"	10"	A	A	Open	A	Open	E	EPDM
		20"	30"		E	222	G	Closed	N	Nitrile
		40"			F	226	H	Spear	S	Silicone
					S	Spring			T	FEP
					Z	224			V	Viton®

Features and Benefits

- Graded multi-layer media
- Guaranteed removal ratings
- High filtration area
- Cartridge integrity and low TOC levels
- Suitable for steam and hot water sanitisation
- Full traceability
- Controlled manufacturing environment.

Specifications

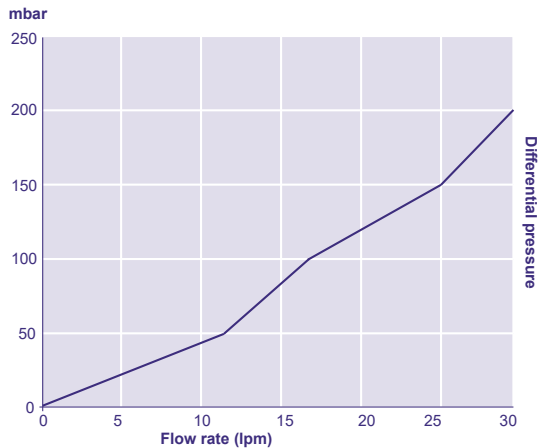
Recommended Operating Conditions

Recommended ΔP @ 20°C 2 bar
 Maximum ΔP @ 20°C 4 bar
 Maximum ΔP @ 80°C 0.5 bar

Sterilisation

Steam: 121° C for 15 minutes,
 maximum 15 cycles
 Hot water: 85° C for 30 minutes,
 0.2 bar max Δ P,
 unlimited cycles

Flow Rate Vs Pressure Drop



Test Results

Analysis Cryptosporidium parvum Filtration Efficacy
 Test Water: Challenge Test Water
 Analysis method: Immuno-Fluorescent Microscopic Enumeration (EPA 1623:1)
 Test Point Conclusion: N/A
 Challenge Date: 03.12.20
 Initial Pres. (PSI): 19.4
 Temp @: 22
 pH:7,4
 Turbidity (NTU): 0.3
 TOC (ppm): N/A
 TDS(ppm): 206.1
 Hardness (ppm): 134
 Alkalinity (ppm): N/A
 Total chlorine (ppm): 0.0
 Polyphosphate (as ppm phosphorous): N/A
 Influent Conc: 1.SE (Oo)ccysts/L
 Ambient Temp @: 24.1
 Analysis Date: 04.12.2020
 Test Notes: Chlorine Residual was not detected (limit of detection is at 0.01ppm)