

Tec - Pleat Ultimate Pleated Cartridge



Tec-pleat Ultra Grade Features & Benefits

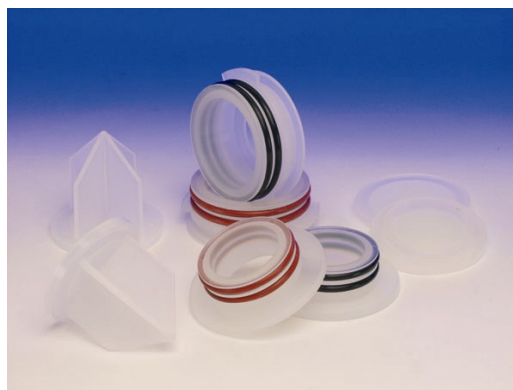
- Absolute micron ratings ensure consistent, repeatable performance.
- Materials conform to the requirements of FDA 21CFR part 177 and USP Plastics Class VI.
- Individually lot numbered for full material traceability.
- Manufactured in the UK.
- Large surface area, up to 0.8m² per 10", ensures low initial pressure drops and high dirt holding capacity, for extended service life.
- 100% Polypropylene construction and thermal bonding mean wide chemical compatibility and minimum levels of extractables.
- Suitable for steam sterilisation (with optional steam ring), autoclaving and hot water sanitisation.
- Modular construction, cartridges can be quickly assembled to any length and end cap configuration greatly reducing lead times.

Tec-pleat Ultimate filter cartridges are absolute rated, pleated polypropylene depth filters, they are equally suitable for use as membrane pre-filters or final polishing filters in applications that do not require membrane filtration.

Ultimate filter cartridges are absolute rated, tested to Beta 5000 using the industry standard single pass OSU-F2 test procedure with ISO 12103 part 1 A2 Fine and A4 Coarse test dust as appropriate.

Manufactured in the UK from 100% polypropylene filter media and hardware, Ultimate filter cartridges have excellent chemical compatibility. Thermal bonded construction eliminates the requirement for adhesives, maintaining product integrity in demanding applications and minimising the level of extractables in the filtrate. All materials conform to the relevant requirements of FDA CFR21 part 177.

Ultimate filter cartridges are available in a wide range of length and endcap configurations to retrofit most industry standard applications.



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for all your filter requirements

PRODUCT INFORMATION

PROSEP
FILTER SYSTEMS LTD

Tec-Pleat Ultimate

Dimensions

Outside Diameter: 69mm
 Inside Diameter: up to 32mm
 Lengths: 5" to 70"

Operating Conditions

Recommended Maximum ΔP
 Forward Flow 4 bar @ 20°C
 2.8 bar @ 65°C
 1 bar @ 80°C
 Reverse Flow 3 bar @ 20°C

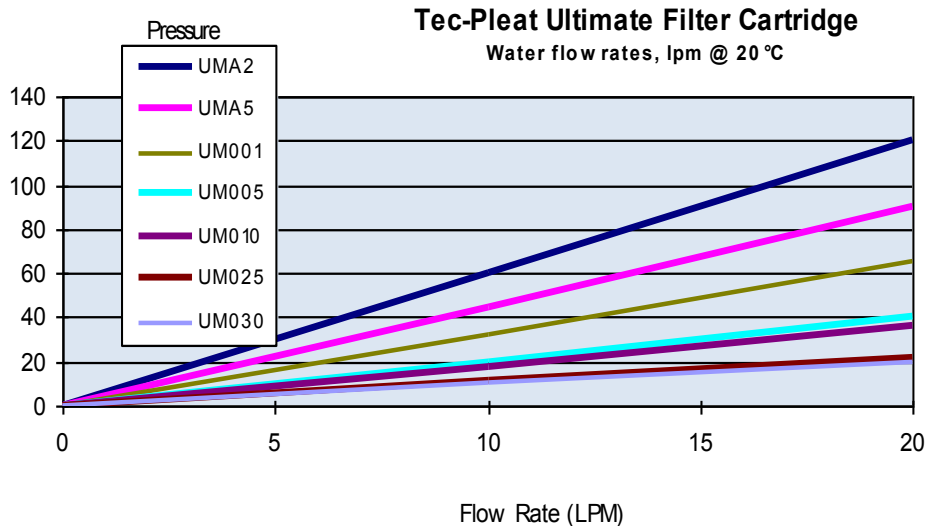
Technical Data

Sanitisation

Steam or Autoclave: 135°C for 15 minutes
 with optional steam ring)
 Hot Water Sanitisation: 90°C for 30 minutes repeatedly

Materials of Construction

Filter Medium: Polypropylene
 Drainage layers: Polypropylene
 Inner Core: Polypropylene
 Outer Core: Polypropylene
 End Caps: Polypropylene
 Gaskets & O-rings: Various, see below



	Micron ***	Length **	End Cap **	Gasket *	Special *
TPUM	A2 = 0.2 A4 = 0.45 001 = 1 005 = 5 010 = 10 020 = 20 030 = 30 050 = 50	4 = 4.8" 9 = 9.8 10 = 10" 20 = 20" 30 = 30" 40 = 40"	DO = DOE TC = 222/flat TF = 222/fin SC = 226/flat SF = 226/fin CG = 213/recess AZ = 224 style	E = EPDM N = Nitrile S = Silicone T = FEP V = Viton	No Code = Standard S = SS Insert F = Preflush

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