

PRODUCT INFORMATION

TECPLEAT LARGE DIAMETER PLEATED CARTRIDGES

TecPleat LD filter elements are designed for applications requiring very high flow rates & are suited equally as pre-filters or final polishing filters where membrane filtration is not required.

TecPleat LD use a specially designed spacer layer on the upstream of the filter media which helps maintain an open flow path to the entire surface area. This maximises dirt holding capacity and minimises pressure drop across the filter.

Absolute micron ratings are tested to Beta 5000 using industry standard single pass OSU-F2 test procedure with ISO 12103 part 1 A2 fine and A4 coarse test dust as appropriate.

Polypropylene hardware combined with either polypropylene or glass fibre filtration media and thermal bonded construction ensures wide chemical compatibility, minimising extractables and ensuring product integrity in demanding applications.

TecPleat LD cartridges have been independently tested for extractables and meet the requirements for food consumption regulation as detailed in EC 1935/2004 and incorporating 10/2011. Materials used are listed FDA CFR21 part 177.



- Absolute micron ratings ensure consistent, repeatable performance
- Large surface area (up to 5m² /40" element) & the use of specially designed spacing mesh ensures a low initial pressure drop and high dirt loading capacity
- Inside to out flow ensures the capture of contaminant inside the element for cleaner, easier disposal
- TecPleat LD filters have been independently tested and meet the requirements for food contact as described in EC 1935/2004 incorporating 10/2011
- Manufactured in the UK at our Hadleigh, Suffolk manufacturing site allowing short lead times
- All polypropylene construction (PP only) using thermal bonding ensures minimal extractables and wide chemical compatibility
- Available in 20", 40" & 60" lengths and with industry standard endcap dimensions allowing retrofit to most existing installations without modification

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for all your filter requirements

Materials of Constructions

- Filtration Media Polypropylene
Glass Microfibre
- Support Layers Polypropylene
- Endcaps Polypropylene
- Cage Polypropylene
- Seals Nitrile
EPDM
Silicon
Viton
PTFE

Recommended Operating Conditions

Maximum Temperature

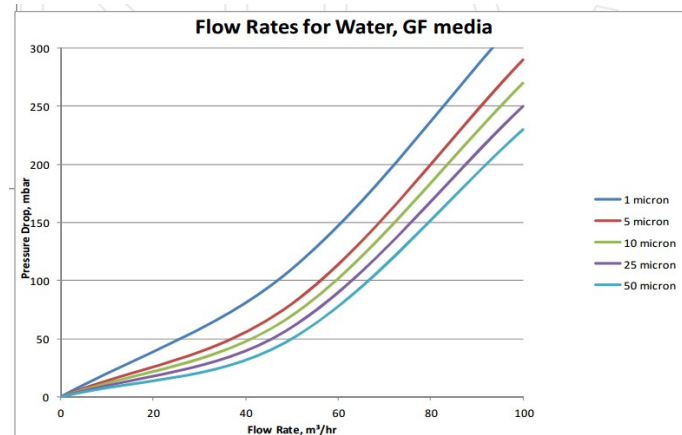
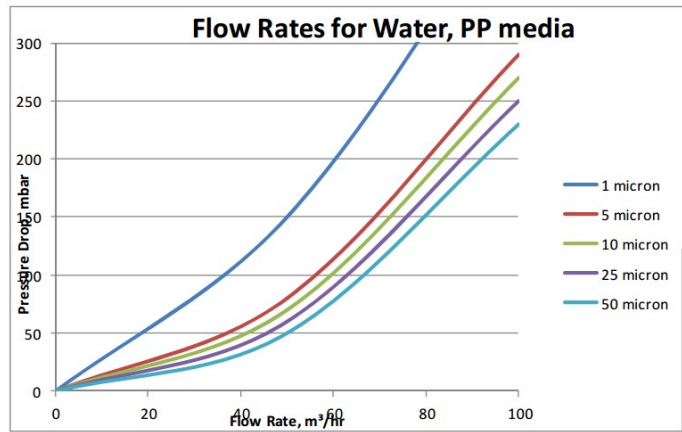
- 80°C

Maximum Differential Pressure

- 3.5 barg maximum @ 20°C
- 1.8 barg maximum @ 65°C
- 1.0 barg maximum @ 80°C

Recommended Changeout Pressure

- 1.5 barg @ 20°C



TPLD

Micron Rating
045—0.45
01 - 1
05 - 5
10 - 10
25 - 25
50 - 50
100 - 100

Length
20
40
60

Seal Material
E - EPDM
N - Nitrile
S - Silicon
T - FEP
V - Viton

Filter Media
PP - Polypropylene
GF - Glass Fibre