

ultrapolydepth® PP-TF

The depth filter for particle removal from water and aqueous solutions with a nominal retention rate.

The ultrapolydepth® filter is a high quality and cost effective alternative to polypropylene spun or string wounded filter cartridges.



The ultrapolydepth® PP-TF –
the economical prefilter for liquids
with a large dirt hold capacity

Product description:

The ultrapolydepth® is a pleated polypropylene filter with an in and outer guard of polypropylene. The retention rate extends from 1 µm to 50 µm. This filter element distinguishes itself by an exceedingly high dirt hold capacity as well as a high flow rate with a low differential pressure and a long service life.

Features:

The filter element is manufactured in accordance with the cGMP requirements (current Good Manufacturer Practice), has no migration of the filter medium, is non-fiber releasing, and is thermally welded without use of binders or chemical additives.

Applications:

The ultrapolydepth® depth filters are designed and developed for the following applications:

- Particle removal from water
- Chemicals
- Solvents
- Biological liquids
- Pharmaceuticals
- Cosmetics
- Oils
- Food and beverage
- Paints and dyes
- Jet printer inks
- Photolithographical liquids
- Coatings
- Salt- and Seawater

Technical alterations reserved (Date 10/00)

ultrapolydepth® PP-TF

Features:	Benefits:
Particle removal with a nominal retention rate from 1 µm to 50 µm	Broad selection of the optimum filter medium to meet application requirements
Polypropylene filter medium	Consistent porosity and particle removal, no channeling or migration of the filter medium
No use of binders or surfactants	Extractables are kept to a minimum, no prewashing is required
Pleated filter medium	Filter surface area is optimized
Maximum effective surface area	High flow rates, high contaminant capacity
Superior flow characteristics	Pressure loss is reduced, energy costs are minimized
High dirt holding capacity	Long filter service life, lower operating costs, reduced maintenance costs
Heavy-duty core	Increased dirt holding capacity, higher differential pressure capability
Available in different sizes	Direct competitive replacement, fits into standard DOE-filter housings

Technical data

Materials:	
Filter media:	Polypropylene
Upstream support:	Polypropylene
Downstream support:	Polypropylene
Outer guard:	Polypropylene
Endcaps:	Polypropylene
Sealing:	Silicone, Buna N, EPDM or Viton

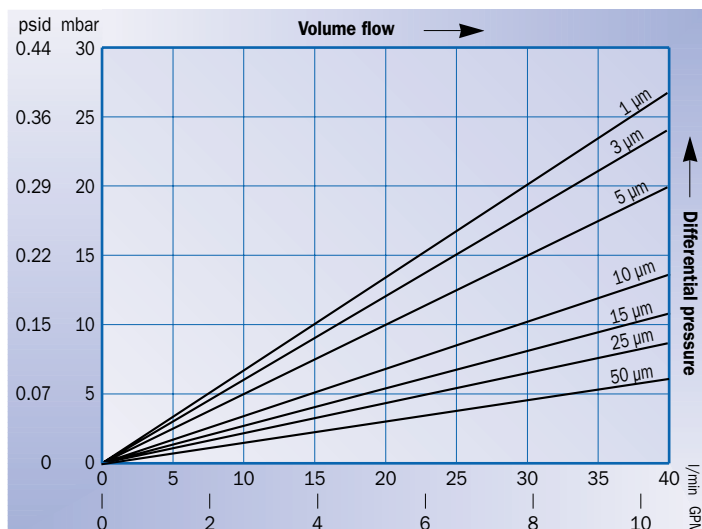
Retention rates:
1 µm, 3 µm, 5 µm, 10 µm, 15 µm, 25 µm, 50 µm

Filtration surface:
0.5 m ² per 10" element (10/30)

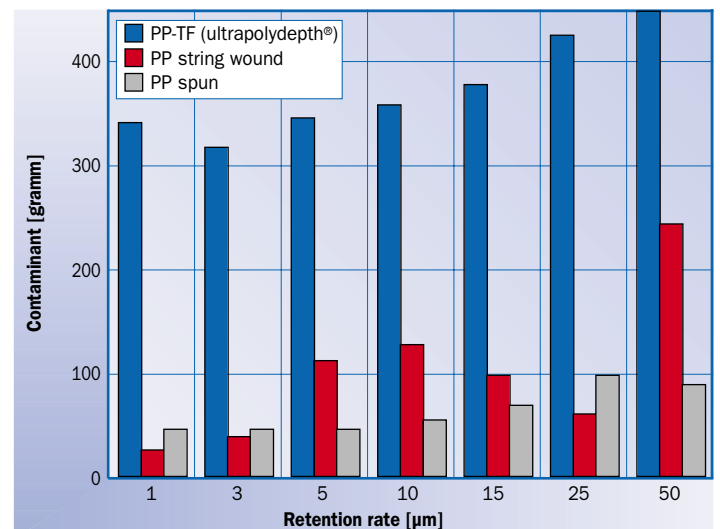
Maximum differential pressure:	
Operating temp. [°F]	Differential pressure [psid]
90	80
150	50
≤180	20

Dimensions:	
Diameter:	2 ³ / ₄ "
Length:	10", 20", 30" or 40"

Flow rate of a 10" PP-TF element – water



Dirt hold capacity ultrapolydepth®



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