

## Profile Star TF Filters

**A pleated depth filter designed specifically for particle trap filtration in beer.**

### Description

This 'Pall' 'Profile' Star TF filter has been designed specifically for use as a particle trap filter to remove filter aid particles from bright beer. The filter utilises the proven and successful **Pall** technique of varying the fibre diameter to produce a pore size gradient from coarse (upstream) to fine (downstream), while maintaining a high open area throughout the depth of the filter medium.

This proprietary construction has been optimised to deliver the benefits of both traditional pleated and depth style trap filters - the ideal combination.

### Features and Benefits

- Construction optimised for consistent performance under variation in flow or  $\Delta P$  increase
- Filter medium designed to prevent fibre migration into the filtered beer
- Very high contaminant holding capacity
- Designed for reverse flow cleaning to optimise filter service life
- All polypropylene construction
- No surfactants or binder resins used in manufacture
- Consistent and verifiable filtration performance
- Long service life, low filtration costs
- High flow rates
- Excellent resistance to typical brewery use chemicals
- Continuous construction without side seam for durability and security of use
- Extra security provided by bayonette lock and double 'o'ring seal
- All materials meet the requirements for biological safety tests per USP for class VI plastic at 121°C



## Materials of Construction

<b>Filter Media</b>	Polypropylene
<b>Core and Cage</b>	Polypropylene
<b>Endcaps</b>	Polypropylene
<b>O-rings</b>	Ethylene Propylene Rubber

## Operating Characteristics

Operating Temperatures and Pressures	
Maximum Operating Temperature*	Maximum Differential Pressure
80°C	3.4 bar
50°C	5.0 bar

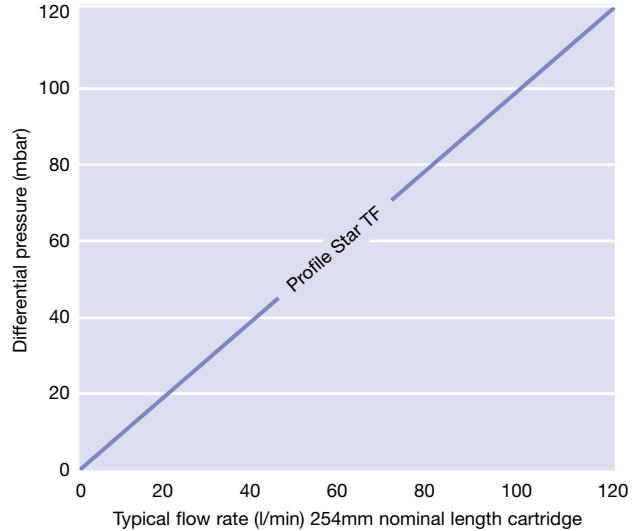
\*In fluids which do not soften, swell or adversely affect the filter or materials of construction.

<b>Maximum steam sterilising temperature</b>	125°C
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<b>Maximum recommended steam life</b>	10 hours
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Further details on test methods and operating conditions are available from Pall

## Liquid Flow vs. Differential Pressure



**Note:** Differential pressures are for liquids with a viscosity of 1 centipoise (cP). For cartridges of 508mm, 762mm, 1016mm nominal length, divide the differential pressure by 2, 3 and 4 respectively. To obtain the total pressure drop of a complete filter assembly the housing pressure drop must be added. Please refer to the relevant housing literature or contact Pall.

Recommended flow rate for sizing 12hl/hr per 10" module

Further information is available in the Pall 'Particle Filtration of Beer' brochure

## Ordering Information

Pall Part number: A B

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Code	Nominal length
1	254mm
2	508mm
3	762mm
4	1016mm

Adaptor Style
Bayonet lock with double O-ring seal

Seal Material
Ethylene Polypropylene Rubber



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PELEH/00-ZK.SH/C.S/07.2000