

Profile Star Filters

For yeast removal and bacteria reduction in beer

Description

This 'Pall' 'Profile' Star filter is ideal for yeast removal and bacteria reduction in beer. It would typically be installed prior to the bright beer tank. Subsequent cold stabilisation or pasteurisation of the beer would then follow.

The UNIQUE **Profile** Star filter construction combines the proven benefits of **Pall Profile** depth filter technology, with a pleated configuration of the filter media to ensure high filter area in each cartridge.

Pall Profile filters utilise the proven technique of varying fiber diameter through the depth of the filter. In this way a high loading capacity is achieved without premature blockage of the filter. This **Pall Profile** Star filter for beer filtration has a pore size gradient from coarse (upstream) to the fine (downstream) absolute removal rating of 1.5µm. The filter media is pleated in a unique way which removes the need for a filter side seam and hence increases the durability of the filter.

The combination of high pleat area and **Profile** filter technology provides for the maximum possible service life.

The all polypropylene construction ensures compatibility with typical brewery use chemicals. The filter is available in **Pall** code 7 style, incorporating a bayonette lock and double o-ring seal for additional security.

When used in conjunction with **Pall** Food and Beverage filter housings or, for larger installations, a **Pall** automated filtration system, this **Profile** Star filter provides a modern, hygienic and economic alternative to 'sheet' filter assemblies.



- Absolute rating ensures consistent, verifiable filtration
- Exceptionally high dirt holding capacity for long service life
- High Area / Low Pressure drop for the smallest possible installations
- No surfactants or binding agents used in manufacture
- All polypropylene construction for excellent resistance to typical brewery 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 specification for biological safety tests per USP for class VI plastic at 121°C

Materials of Construction

Filter Media	Polypropylene
Hardware (core and cage)	Polypropylene
Endcaps	Polypropylene
Seals	Ethylene Propylene Rubber

Operating Characteristics

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

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

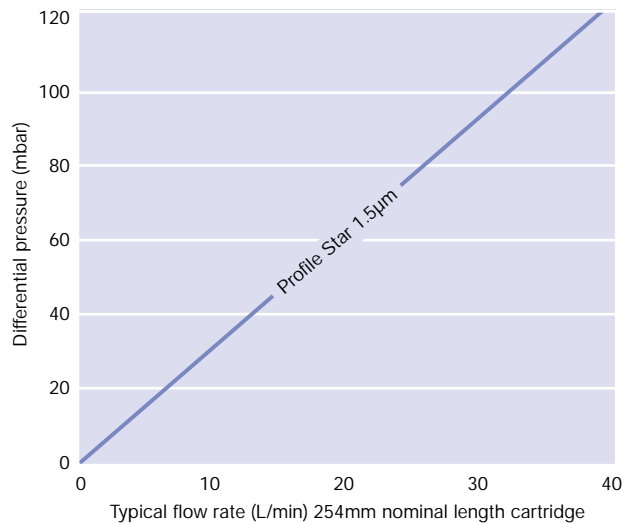
Maximum steam sterilising temperature	125°C
---------------------------------------	-------

Maximum recommended steam life	10 hours
--------------------------------	----------

Typical Removal Efficiency

<i>Saccharomyces cerevisiae</i>	$T_R > 10^7$
---------------------------------	--------------

Liquid Flow vs. Differential Pressure



Note: Differential pressures are for liquids with a viscosity of 1 centipoise (cP). Differential pressures for liquids at other viscosities can be conservatively estimated by multiplying the indicated differential pressure by the viscosity in 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.

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

Further details on test methods and operating conditions are available from Pall

Ordering Information

Pall Part number: A B A015 7 W J

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



Europa House, Havant Street
Portsmouth PO1 3PD, United Kingdom

Telephone: 023 9230 3303
Fax: 023 9230 2506
e-mail: UltrafineUK@pall.com
www.pall.com

Filtration. Separation. Solution.

Visit us on the web at www.pall.com

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, Spain, South Africa, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, and the United States. Distributors are located in all major industrial areas of the world.

Because of developments in technology these data or procedures may be subject to change. Consequently we advise users to review their continuing validity annually. Pall and Profile are trade marks of Pall Corporation. Filtration. Separation. Solution. is a service mark of Pall Corporation. Part Numbers quoted above are protected by the Copyright of Pall Europe Limited. © 2000. Pall Europe Limited.

PELEH/00-ZA.SH/C.S/05.2000