

SUPAPORE LPG HALAR

AMAZON

HIGH COMPATIBILITY PLEATED FILTER



Many manufacturing processes such as Active Pharmaceutical Ingredient (API) production rely on filtration to ensure the solvent based product streams are particulate free. The availability of high purity and high quality solvents is also important to many other industries including manufacturers of fine chemicals and micro-electronics products. To help industry meet these challenges Amazon Filters has developed a range of **SUPAPORE LPG HALAR** filters constructed using Halar ECTFE media. Halar ECTFE is a fluoro-polymer offering a unique combination of mechanical properties with thermal and chemical resistance. These filters are specifically designed to offer excellent compatibility and effective removal of particulates from solvents and solvent based liquids. The advanced pleated meltblown media used in these filters provides both high flow rates and long life. **SUPAPORE LPG HALAR** filters offer greater compatibility than polypropylene media filters at a cost that is typically lower than PTFE membrane cartridges.

Industries and Applications

- **API /Fine Chemical manufacturing**
 - Removal of fine particulates from product streams
 - Clarification of chemicals used for product synthesis
 - Filtration of solvents used for purification of crystallised compounds
- **Microelectronics industry**
 - Particle removal from chemicals and solvents used for microchip production
- **Water treatment**
 - Ozonated water and vent filters

Compatibility*1

SUPAPORE LPG HALAR filters offer improved compatibility with a wide range of chemicals and solvents including:-

- | | | | |
|----------------------|-----------------|---------------------|--------------------|
| • Acetone | • DMSO | • Hydrochloric Acid | • Ozonated water |
| • Acetonitrile | • Ethanol | • Methanol | • Sodium Hydroxide |
| • Acetic acid (100%) | • Ethyl acetate | • MIBK | • THF |
| • DMAC | • Ethanol | • MTBE | • Toluene |
| • DMF | • Hexane | • n Heptane | • Xylene |

(*1 Chemical compatibility of filters can be affected by so many process factors (e.g. temperature, exposure time etc). Filters should be pre-tested under users own process conditions using appropriate safety practices in order to confirm compatibility.)

Amazon Filters manufactures a comprehensive range of PED and ATEX compliant filter housings for use with **SUPAPORE LPG HALAR** cartridges. This range includes the industrial **50** and **60 SERIES** housings and the hygienic **70 SERIES**. We are also able to offer the **CLEARVIEW** housing containing a 'window' to allow on-line visual monitoring of the process. Please consult our Sales Office for further details on the full range.

SUPAPORE LPG HALAR FEATURES AND BENEFITS

- Broad chemical compatibility with a range of solvents and chemicals at an attractive cost
- Available with either polypropylene or Nylon hardware
- Suitable for use at higher temperatures
- High flow rates, low pressure drops and long life
- Low extractables
- Manufactured under strict control with batch number identification, giving full traceability on all components
- Materials USP Class VI Plastics tested and meet US FDA Title 21 requirements
- Full product validation guide available



SUPAPORE HALAR

TECHNICAL DATA

Dimensions

Outside Diameter: 69mm
 Typical Surface Area: 0.54 m² (Per 10")
 Length: See ordering guide

Sterilisation and Sanitisation*2

Steam or Autoclave: 121°C for 15 mins (40 cycles)
 Hot Water: 90°C for 30 mins (0.2 bar Δp max)

*2 Applies to single open end cartridges only. For all steaming and hot water applications, the stainless steel end cap insert or Glass Filled end cap option must be used.

Maximum Operating Conditions

Temperature: 80°C

Recommended Maximum Differential Pressure:

Forward Flow: 4.0 Bar @ 20°C

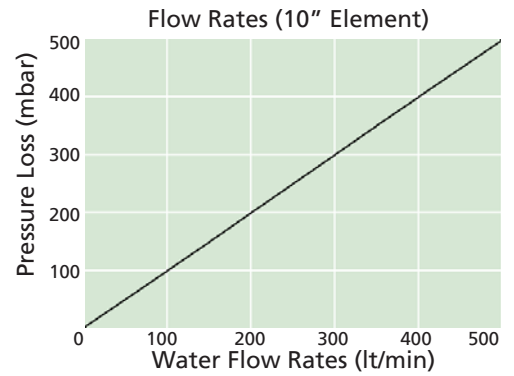
Reverse Flow: 3.5 Bar @ 20°C

Materials of Construction

Filter Media: Halar (ECTFE)

Cage, Core & End Caps: P - Polypropylene (PP) or
 N - Nylon (N)

Product validation guide available on request. All **SUPAPORE LPG HALAR** cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.



Removal Efficiency

Particulate Size	Beta Ratio (Efficiency)
0.6µm	100 (99%)
0.8µm	400 (99.75%)
1µm	2000 (99.95%)
2µm	5000 (99.98%)
3µm	>5000 (99.98%)
4µm	>5000 (99.98%)
>5µm	>5000 (99.98%)

INDUSTRIES AND APPLICATIONS

- Pharmaceuticals** • API manufacturing
- Fine Chemicals** • Filtration of Acids, Bases and Solvents
- Electronics** • High purity water, Photo resists, Acids, Etch solutions
- Water Treatment** • Ozonated water

AMAZON FILTERS LTD.

ALBANY PARK ESTATE, FRIMLEY ROAD,
 CAMBERLEY, SURREY, GU16 7PG
 ENGLAND

Tel: +44 (0) 1276 670 600

Fax: +44 (0) 1276 670 101

Email: sales@amazonfilters.co.uk

Web: www.amazonfilters.co.uk



Certificate No. FM39584

Distributed by: