

## High flow single cartridge filter housing HFH1

amafilter – LFC Lochem (Filtration Group Process Systems) has for high flow processes the HFH1, single high flow cartridge filter housing. HFH1 is designed specifically with a high throughputs whilst occupying a minor “footprint” area. HFH1 filter housings can be used in both the horizontal and vertical orientation depending on the availability of space. The in-line horizontally mounted housing minimizes pressure drop and is more accessible.

### Features

- High-flow single cartridge filter housing
- Designed specifically to complement the amaGuard HF-PP cartridge
- All components are stainless steel
- The cover is opened using a davit arm as a standard construction
- Inside to outside flow minimizes the possibility of contamination during cartridge change-out
- The standard model is horizontal position. Vertical configuration is available on-request
- Fewer filter elements to change-out
- Eyebolt design option allows for quick and easy change-out

### Filter cartridge

Filtration Group supplies a wide range of filter cartridges in different materials, pore sizes, dimensions and models to fit in our housings as well as those of other manufacturers. For detailed information about our filter cartridges, please visit our website [www.ama-lfc.com](http://www.ama-lfc.com).



### Typical application

- Filtration of water

### Standard Specification

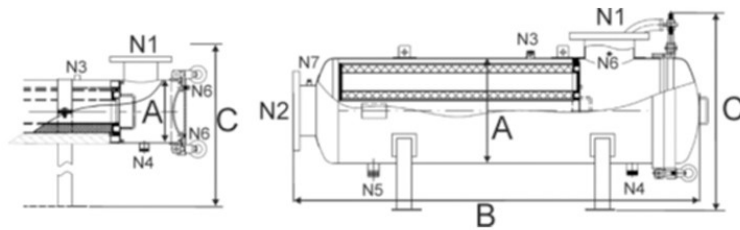
- Design: ASME
- PED 2014/68/EU: article 4 paragraph 3 (other codes on-request)
- Maximum vapor pressure: < 0.5 bar(g)
- Maximum (operating) pressure: 10 bar at 25 °C
- Maximum (operating) temperature: 90 °C
- Operating temperature: depending on the filter media and gaskets used
- Maximum operating differential pressure: 2.1 bar
- Configuration: standard model is horizontal
- Inlet/outlet with flange style
- Filter housings is equipped with legs
- Filter housing material: stainless steel 316 or stainless steel 304
- O-ring material: standard EPDM, other materials on-request such as FPM, silicone and PTFE encapsulated FPM

### Customized requirements

We understand that our customer's facing complex processes and environmental requirements. There where a standard filter housing could not be sufficient, our engineers are able to design a custom made filtration solution.

For further information please contact us at [www.ama-lfc.com](http://www.ama-lfc.com)

→ [www.ama-lfc.com](http://www.ama-lfc.com)



### Ordering information

	1	2	3	4	5
<b>Example:</b>	HFH1-40-S-4F				
<b>1 Type</b>	=	HFH			
<b>2 Number of cartridge</b>	=	1			
<b>3 Cartridge length</b>					
	2	=	20"		
	4	=	40"		
	6	=	60"		
<b>4 Material</b>					
	A	=	stainless steel 304		
	S	=	stainless steel 316		
<b>5 Inlet/outlet</b>					
	4F	=	DN100		

- N1 Inlet
- N2 Outlet
- N3 Vent
- N4 Dirt drain
- N5 Clean drain
- N6 (2x) Pressure gauge (dirt side)

### Dimensions\*

Type	A Diameter [mm]	B [mm]	C [mm]	N1	N2
HFH1	216	1460	688	DN100	DN100

Space required for changing cartridges is length B plus cartridge length.

\* Dimensions are for reference only. Use dimensional drawing for installation purposes. Subject to technical alteration without prior notice.

© 2018 Filtration Group BV. All rights reserved. All trademarks and registered trademarks are the property of their respective owners. All information and recommendations appearing in this document concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Filtration Group BV as to the effects of such use or the results to be obtained. Filtration Group BV assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

SBR20181023