

## Plastic single cartridge filter housing S-AFC1

In specific applications a plastic bag filter housing is preferable to a metal filter housing. amafilter – LFC Lochem (Filtration Group Process Systems) has for these applications the solution with our S-AFC series. S-AFC1 is a polypropylene single cartridge filter housing. Cartridge filters are being used in the filtration of liquids containing fine particles, safety filter, as end-filtration or polishing of liquids with minor concentrations of particles.

### Features

- Fluid does not come into contact with metal parts
- Easy to use, smooth surface for cleanability
- Suitable for a single cartridge
- Suitable for all common types of filter cartridges
- Cartridges with end-cap configuration X0, X3 or X8
- Quick replacement of filter cartridge without additional tools
- The S-AFC1 filter housing can be operated with all liquids belonging to PED2014/68/EU Fluid group 2, if vapor pressure of 0.5 bar(g) is not exceeded

### 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).



**S-AFC1**



### Typical application

- Filtration of seawater
- Filtration of chemicals (such as acids and alkaline)

### Standard Specification

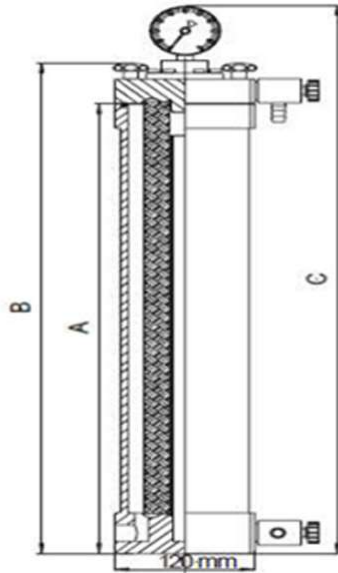
- PED 2014/68/EU: article 4 paragraph 3
- Maximum vapor pressure: < 0.5 bar(g)
- Maximum (operating) temperature: 90 °C at 1 bar
- Maximum (operating) pressure: 6 bar at 30 °C
- Filter housing material: polypropylene
- Single cartridge filter housing
- Only available as inline design
- Suitable for cartridge length 10", 20" or 30" (inch)
- Closing bolts material: Plastic-covered metal bolts (1.4571)
- Inlet/outlet connection: flange or thread
- Vent plug standard
- Suitable end-cap configuration X0, X3 or X8
- O-ring material: standard FPM
- On-request pressure gauge (small) available

### 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)

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**Dimensions\***

	A [mm]	B [mm]	C [mm]
10"	297	347	417
20"	555	605	675
30"	804	854	924

**Ordering information**

		1	2	3	4	5	6	7
Example:		S-AFC1-3-P-1F-IL- -V						
<b>1</b>	<b>Type</b>	= S-AFC1						
<b>2</b>	<b>Cartridge length</b>							
	1	= 10"						
	2	= 20"						
	3	= 30"						
<b>3</b>	<b>Material</b>							
	P	= polypropylene						
<b>4</b>	<b>Inlet/outlet</b>							
	1	= internal thread G1"						
	1F	= flange DN25						
	1E	= screw-in part DN25						
<b>5</b>	<b>Design</b>							
	IL	= inline-design						
<b>6</b>	<b>Cartridge end-cap configuration</b>							
	-	= X0 and X4						
	X3	= X3						
	X8	= X8						
<b>7</b>	<b>Seals</b>							
	V	= FKM (standard)						
	E	= EPDM						

BR20181029

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

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