

# MST SERIES

MST is the most versatile range of high-pressure filters. As a matter of fact, these are suitable both for compressed air and natural or technical gases like methane (CH<sub>4</sub>), oxygen (O<sub>2</sub>), biogas and others. Up to 450 bar is the max. pressure achievable on this range of filters that are made of **AISI 316 L stainless steel or carbon steel fully Teflon coated**. Due to the versatility of these filters to be applied with different gaseous fluids - with different specific gravities and different normal volumes - we suggest you to contact ETHAFILTER for more details and for selecting the right product.



HIGH PRESSURE FILTERS

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Via dell'Artigianato, 16/18 • 36050 SOVIZZO (VI) Italia  
Tel. (00 39) 0444 376402 • Fax (00 39) 0444 376415  
www.ethafilter.com • e-mail: ethafilter@ethafilter.com

## FH SERIES

This range of products represents an advanced yet rational concept in the high-pressure filters. These are available in two different versions and materials.

**“MONO” VERSION:** this is the classical type, conceived for single stage filtration. The filter head is cleverly manufactured for dual connection, whereby a flange print is available for suiting this kind of requirement characterised by compactness, cleanliness and rationality. Nevertheless a threaded connection is also built-in for satisfying this kind of connection as well. Maintenance is much easier and safer: the filter element replacement does no longer require to remove heavy housing bowls for having access to the cartridge. This operation is now immediate by simply removing a small cover, and can be done even in a narrow space configuration, since the element is of the “push-on” concept.

**“DUO” VERSION:** it has the same features and benefits as for the “MONO” version but is further advantageous since locating two stages of filtration across just one common head. A first stage, generally constituted by coalescer filter element, is located in the bottom section for removing the solid contaminants and possible liquid aerosols; whilst the second top stage is usually fitting an activated carbon filter for removing odours and taste.

Both versions are available in **AISI 316 L stainless steel** or **carbon steel integrally Teflon coated**, thus covered by a 5 years warranty against corrosion. Both materials are indeed compatible with current application in the food and beverage industry. FH filters are manufactured for a max. pressure of 50 bar. For other applications, ETHAFILTER has developed a 100 bar version (only in carbon steel Teflon coated version).



## HALT SERIES

HALT filters offer a good quality/price ratio for applications that require small/medium flow rates, with a max. pressure of 50 bar. These are made of cast aluminium fully Teflon coated, covered by a 5 years warranty against corrosion. Upon request, a version with flanged connections can be available.



Model	Capacity		Connect. G	Max pressure bar
	Nm <sup>3</sup> /h	NI/min		
H 50 ALT	250	4.150	1/2"	50 bar
H 75 ALT	400	6.670	3/4"	
H 100 ALT	675	9.650	1"	
H 125 ALT	1.080	18.000	1 1/4"	
H 150 ALT	1.500	25.000	1 1/2"	

FILTER element	
n°	model
1	E 4015
1	E 6015
1	E 7020
1	E 7520
1	E 9020

Flow rates are referred to 45 bar(g) and +20 °C. In case of different parameters, please contact Ethafilter.

Codes of construction: ⇨ manufactured in accordance to the **CE 97/23-PED** requirements, where applicable  
 ⇨ in terms of compliance to the **ASME section VIII Div.1**, the “standard. Manufacturer good practice” is acceptable, since all the above mentioned models have internal section ≤ 6” (≤ 152,4mm)

Filtration grades: **VF** = prefilter 25µ      **FF** = fine filter 5µ      **MFO** = microfilter 0,1 µ  
**SMA** = submicrofilter 0,01µ      **CA** = activated carbon 0,005 ppm

Model	Capacity		Connect. G	Max pressure bar	FILTER element	
	Nm <sup>3</sup> /h	NI/min			n° *	model
FH .. 40	400	6.650	1"	50 bar	1 o 2	EH 0215
FH .. 60	600	10.000	1"		1 o 2	EH 0225
FH .. 150	1.500	25.000	1 1/2"		1 o 2	EH 0325
FH .. 240	2.400	40.000	2"		1 o 2	EH 0340
FH .. 300	3.000	50.000	3"		1 o 2	EH 0435
FH .. 420	4.200	70.000	3"		1 o 2	EH 0440
FH .. 600	6.000	100.000	3"		1 o 2	EH 0450

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 ⇨ in terms of compliance to the **ASME section VIII Div.1**, the “standard. Manufacturer's good practice” is acceptable, since all the above mentioned models have internal section ≤ 6” (≤ 152,4mm)

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**SMA** = submicrofilter 0,01µ      **CA** = activated carbon 0,005 ppm

\* 1 element for “MONO” version; 2 elements for “DUO” version”.

## FAFC SERIES

These filters are specific for marine engine star-ups on cruise or military ships. These filters are necessary to remove dangerous solid contaminants that can be dragged with the compressed air through the cylinders into the engine, causing great damages. Ethafilter has established a long enduring collaboration with some leader shipbuilder Companies and, due to this gained experience, has developed this range of carbon steel flanged filters that fully satisfy the severity of this specific application. All models can be manufactured according Lloyd’s Register or RINA certifications (others upon request).



Model	Capacity		Flange connections G	FILTER element	
	Nm <sup>3</sup> /h	NI/min		n°	model
FAFC 1035	800	13.333	3” ANSI300	1	E 1035
FAFC 1335	1.200	20.000	3” ANSI300	1	E 1335
FAFC 1835	1.800	30.000	3” ANSI300	1	E 1835
FAFC 2135	2.800	46.666	3” ANSI300	1	E 2135
FAFC 3135	4.000	66.666	3” ANSI300	1	E 3135

Flow rates are referred to 35 bar(g) and +20 °C. In case of different parameters, please contact Ethafilter.

possible codes of construction (at price adder)



⇨ Lloyd's Register



⇨ RINA

⇨ other codes upon request to ETHAFILTER

Max pressure:  47 bar by Lloyd's approval

40 bar by RINA approval

Operating temperature: -10 / +80 °C ; painted in RAL 6019