



Certified by Electrosuisse

The Hi-Flo ATEX is a high-performance pocket air filter suitable for use in the areas subject to explosion hazards 1, 2, 21 and 22 as per EU Directive 1999/92/EC. Testing and certification is performed by Electrosuisse. The license is valid for the EU and Switzerland.

Thanks to the fluid-dynamically optimal CMS (Controlled Media Spacing) pocket design and the large filter area, Hi-Flo ATEX pocket air filters help to ensure long life cycle and a large dust holding capacity, always at a low pressure drop. This makes the systems more cost-effective.

Hi-Flo ATEX pocket air filters are available in classes M5, M6, F7 and F9 as per EN 779:2012. Distinctive marks to prevent mix-ups include the gold-coloured frame and side band. In addition, the filter is supplied with an earthing kit and an added-on label with the ATEX identification number.

Typical areas of use

Air handling units in explosion-prone areas such as in the pharmaceutical or chemical industry etc.

Prevention of explosions in accordance with ATEX guidelines

Hi-Flo ATEX is a pocket air filter developed for device category 2, group II, pursuant to guideline 94/9/EG. Due to the filter material, made of biosoluble glass fibre non-hazardous to health, this filter possesses the qualities of a high performance fine particulate filter, and provides safety in explosion-prone areas.

The proven design of the Camfil pocket filter, coupled with a high-quality galvanised sheet metal frame, guarantees optimal aerodynamic and high air filter stability.

Hi-Flo ATEX: Protection and effectiveness

Hi-Flo ATEX is the ideal air filter solution where both a constant high level of efficiency is required and protection against explosions should be ensured. The Hi-Flo ATEX pocket air filter is easy to integrate into any existing or new standard frame. The supplied earthing kit can be attached at any point on the filter frame without the need for tools. The gold-coloured frame helps to avoid mix-ups when changing the filter.

High performance through glass fibre technology

The use of modern glass fibre technology in Hi-Flo ATEX pocket air filters ensures a large dust holding capacity and high level efficiency. Unlike synthetic pocket filters, glass fibre filter medias do not need to be temporarily charged electrostatically. Performance of the filter remains optimal for the entire life cycle of the filter. Hi-Flo ATEX pocket air filters also comply with hygiene guidelines of some European countries (e.g. VDI 6022) which require that the efficiency of the air filter may not drop below the minimum standard for the filter class during its life cycle.

Life cycle, maintenance and service

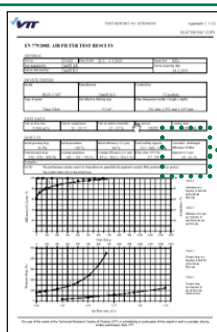
Hi-Flo ATEX pocket air filters are replaced when the predefined final pressure drop is reached.

Usage of Hi-Flo ATEX pocket air filters is identical to that of conventional pocket filters. The electrically conducting connection from the filter to the system and the earthing of the system are essential. The supplied operating instructions contain information on this.

Item number	Filter identification	Dimensions (LxWxH)	Filter area (m ²)	Air volume (m ³ /h) Pressure loss (Pa)	Filter class (EN 779:2012)
AT220110	HFGS-M5-592x592x600-06-ATEX	592 x 592 x 600	4.7	3400 / 55	M5
AT220112	HFGS-M5-287x592x600-03-ATEX	287 x 592 x 600	2.3	1700 / 55	M5
AT220130	HFGS-M6-592x592x635-10-ATEX	592 x 592 x 635	7.8	3400 / 65	M6
AT220136	HFGS-M6-287x592x635-05-ATEX	287 x 592 x 635	3.9	1700 / 65	M6
AT220131	HFGS-F7-592x592x635-10-ATEX	592 x 592 x 635	7.8	3400 / 90	F7
AT220137	HFGS-F7-287x592x635-05-ATEX	287 x 592 x 635	3.9	1700 / 90	F7
AT220132	HFGS-F9-592x592x635-10-ATEX	592 x 592 x 635	7.8	3400 / 135	F9
AT220138	HFGS-F9-287x592x635-05-ATEX	287 x 592 x 635	3.9	1700 / 135	F9

other dimensions on request

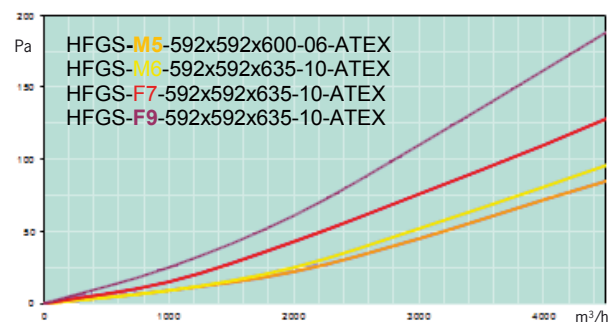
Efficiency and pressure loss



Loading dust	ASHRAE
Untreated / discharged efficiency of filter material (0.4 µm)	63 / 61 %

Example for Class F7

The most meaningful information about the level of efficiency of a filter is contained in the neutral test certificate EN 779:2012 under «discharged».



Protection and safety



The freely positionable earthing mechanism offers both protection and complete flexibility.

The gold-coloured frame prevents mix-ups when changing the filter.



Hi-Flo ATEX air filters were developed for use as intended in explosion-prone zones 1, 2, 21 and 22 pursuant to guideline 1999/92/EG.

Testing and certification by Electrosuisse guarantees conformity for devices of category 2, group II, as per guideline 94/9/EG.

Hi-Flo ATEX air filters are licensed for the EU and Switzerland.

Specifications

Filter type:	Pocket filter with earthing device
Frame material:	galvanised sheet metal «gold» coloured or stainless steel
Filter medium:	Micro glass fibre biosoluble
Filter class as per EN 779:2012:	M5 - F9
Operating temperature:	max. 90°C
Relative humidity:	max. 90%

Camfil AG

Zugerstrasse 88, CH – 6314 Unterägeri

Tel. +41 41 754 44 44, Fax +41 41 754 44 68, info@camfil.ch