50 years of experience
at the service of our customers

OUR ADDED VALUE

SPEED AND FLEXIBILITY

Allow us to deliver any order, including special orders, as rapidly as possible, in Italy and abroad.

QUALITY AND CERTIFICATIONS

The quality of our processes and products is one of our strengths, thanks to a guaranteed production chain, certified according to the Standards ISO 9001 and Eurovent.

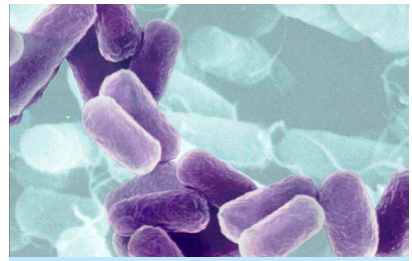
GREEN PHILOSOPHY

Our R&D is constantly committed to improve our product "performance", in order to offer advanced solution in a context of environmental and economic sustainability.

BENEFITS OF INDOOR AIR QUALITY

IMPROVED EFFICIENCY

Research shows that an optimal indoor air quality improves the productivity of the staff, also improving concentration and response in stressful situations.



REDUCED RISK OF INFECTIONS

Studies show that 80-90% of chirurgical infections depend on a "bad" air quality. An effcient filtration system and an optimal IAQ translated into a reduced risk of infection and thus reduced hospital costs.

LOWER COSTS

For example, to tackle an infection due to the Aspergillus niger mushroom, millions of Euro are spent every year in drugs; this amount could be in part saved thanks to a correct air filtration.

THE 9 AIR PURITY CLASSES

Maximum number of particles in the air (per cubic meter with dm = o > with respect to the items specified)

CLASS	> 0.1 µm	> 0.2 µm	> 0.3 µm	> 0.5 µm	> 0.1 µm	> 0.5 µm	old class fed std 209 e
ISO CLASS 1	10	2					
ISO CLASS 2	100	24	10	4			
ISO CLASS 3	1.000	237	102	35	8		1
ISO CLASS 4	10.000	2.370	1.020	352	83		10
ISO CLASS 5	100.000	23.700	10.200	3.520	832	29	100
ISO CLASS 6	1.000.000	237.000	102.000	35.200	8.320	293	1.000
ISO CLASS 7				352.000	83.200	2.930	10.000
ISO CLASS 8				**3.520.000**	**832.000**	**29.300**	100.000
ISO CLASS 9				**35.200.000**	**83.200.00**	**293.000**	1.000.000

Standard ISO 14644-1 is based on the use of the quantity of sampled air expressed metric values (cubed meter) rather than imperial units (CFM), which have always been used to characterized the controlled contamination environments and areas. 9 air purity classes and 6 particle sizes with size comprised between 0.1 and 5 µm have been identified.

GENERAL FILTER
ITALIA | Air quality experts

CANISTER

GENERALFILTER HEADQUARTERS

Via Emilia, 23
31038 Paese (TV), Italia
Tel +39 0422 4594
Fax +39 0422 459590
www.generalfilter.com
info@generalfilter.com

GENERALFILTER ITALIA

Via Morgagni, 40 int. 7/8
20005 Pogliano Milanese (MI), Italia
Tel +39 02 93550640
Fax +39 02 93255670
Italia: sales.ita@generalfilter.com
Estero: sales.int@generalfilter.com

GENERALFILTER FRANCE

Zone Artisanale de Fontgrave
90 chemin Guy Aubert
26740 Montboucher-Sur-Jabron,
France
Mob +33 645587639
Tel +33 987876598
Fax +33 987876599
r.meucci@generalfilter.fr

GENERALFILTER IBERICA

C/Cabo Ortegal, nrs. 3-5 La Poveda
28500 Arganda del Rey,
Madrid
Tel +34 91 8719046
Fax +34 91 8719054
gefisa@generalfilter.com

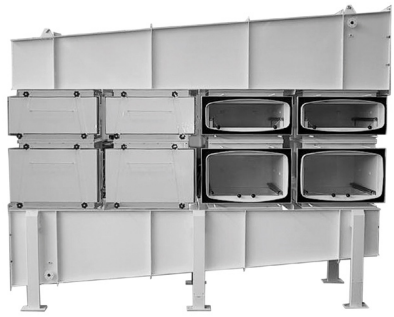
GENERAL FILTER HAVAK A.Ş

Generalfilter Havak Filtre San. Ve Tic A.Ş.
Orhangazi Mah. ISISO Sanayi Sitesi 19. Yol
Sk. No:2, Esenyurt 34538 İstanbul - Turkey
Tel. +90 212 6230074
Fax. +90 212 6230076
E-mail: info@generalfilterhavak.com

CANISTER

MODULAR SAFETY FILTER HOUSING

ELEMENTS AND SYSTEMS



GENERAL FEATURES:

Canisters are modular containers specially designed to house filters in total safety in highly critical contamination systems.
Their modularity allows to obtain flexible configurations suitable for the most varied flow and filtration needs.
All the details have been designed to ensure the maximum safety of the systems: a specially designed lever system allows to install and remove the filters with extreme ease while ensuring a perfect and constant seal over time.
Finally, the Bag-in / Bag-out system allows the removal of contaminated filters in total safety.

Modularity: the canister modules are made of sturdy welded and painted sheet metal and can contain filters with a frontal dimension of 610 mm and a depth of 305 or 610 mm in three thicknesses: mod. F 100 mm, mod. P 150 mm and mod. G 292 mm.

"Bag in / Bag out system": this particular system allows to replace the contaminated filters without coming into contact with them. A PVC safety bag is fixed by means of special elastics to the inlet flange, creating a barrier between the external environment and the filter which, once used, is removed directly into the bag which is subsequently sealed; in this way, the system is maintained in total safety for the operator and the work environment.

Manifolds: the contaminated air is introduced into the modules through specially sized manifolds to avoid annoying rustling and noise due to the passage of the air itself. The same applies to the air filtered out of the unit.

Check system: the efficiency of the canister unit can be continuously monitored through special probes located on the modules.
Our Canister modules are made of 20/10 thick steel, epoxy powder coated for outdoor use RAL 9010.
The containers are also available in AISI 304-L or 316-L version.
The mounted levers are made with a round bar in 304 stainless steel, particularly robust to ensure uniformity of the pressure on the filter during the entire working life of the container. The seal has a thickness of 15 mm, positioned on the plate where the cover presses to close the system. The bag holder flange of the bag-in / bag-out system has an elliptical shape, to allow a perfect adhesion with the O-ring of the barrier bag (the bag is made of high thickness PVC).

The mechanical strength of the container and the air pressure seal class is:
+/- 5 kPa according to ANSI-ASME 510-2007
Class 3 in accordance with ISO 10648-2, under standard operating conditions.
Class L1 in accordance with EN 1886:2007
Class D in accordance with EN 12237:2003
Class C in accordance with Eurovent 2/2.

Our containers can also be produced at double depth to hold two in-line filters (with or without double doors).

APPLICATIONS:

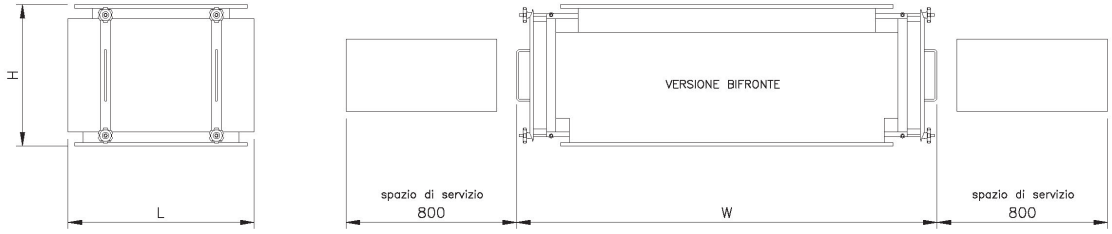
Given their design and construction characteristics, canisters are indicated in filtration systems where safety is particularly critical, such as bio-safety ventilation systems in research, pharmaceutical and military laboratories. Hospital sector being expelled to radiological or infectious wards.

CONFIGURATIONS:

The canister modules have been designed to be supplied in various configurations that allow flexible use and suitable for any capacity and conditions.

OPTIONALS:

Finishing: given the criticality of the environment in which the canisters can work, their construction is optionally entirely in stainless steel.
- Pressure gauge
- Pressure switch
- Pressure sockets
- Vacuum breaker valve
- Cut-off dampers



Code	Typology	Dimension L x H x W (mm)	Filter dimension L x H x W (mm)	Quantity of filters in the form
P/F - 05	SINGOLO	754 x 431 x 571	610 x 305 x 150	1
P/F - 10	SINGOLO	754 x 431 x 877	610 x 610 x 150	1
G - 05	SINGOLO	754 x 753 x 571	610 x 305 x 292	1
G - 10	SINGOLO	754 x 573 x 877	610 x 610 x 292	1
P/F - 10	BIFRONTE	754 x 431 x 1.525	610 x 610 x 100/150	2
G - 10	BIFRONTE	754 x 573 x 1.525	610 x 610 x 292	2
P/F - 10	BIPOSTO	754 x 431 x 1.704	610 x 610 x 100/150	2
G - 10	BIPOSTO	754 x 573 x 1.704	610 x 610 x 292	2

GENERALFILTER

Since 1965, at your service to improve air quality

GeneralFilter, with over 50 years of experience in the filtration field, is capable of providing and guaranteeing the best technical and managerial solutions in the Indoor Air Quality (IAQ) field.

We produce a complete range of filters, from ISO Coarse to U15 efficiency class, plus filtration accessories and systems. We offer the certified guarantee of a customised service, where quality, flexibility and customer-oriented production are our stepping stones.

We believe we can improve our environment day by day, certain that the air we breathe is a precious asset. This is why we continue to invest in research & development, certifications and human resources, by focusing on sustainability and environmental comfort in our daily efforts.

GENERALFILTER'S CERTIFICATIONS

QUALITY SYSTEM CERTIFICATION
DNV·GL
ISO 9001

Year after year, we are increasingly focused on our production process, to offer the best quality experience possible to our customers.
We select our suppliers among the leading companies in the related fields, and we have been complying with Standard ISO 9001 since 1999.

EUROVENT
CERTIFIED
PERFORMANCE
www.eurovent-certification.com

Our attention for the environment and for energy savings, combined to our will to guarantee quality and transparency, led us to achieve the Eurovent certification. This certification ensures that our products are compliant with European and international Standards.