

HS-Solid CAT, Stainless Steel Duct Filter Housing



HS-Solid CAT

The HS-Solid CAT duct filter housing meets your performance needs of all ductworks requiring highest standards of air purity. The modular concept allows cost-effective adaptation to the needs of your process conditions. The housing outfit ranges from single filterstage air supply or exhaust air filtration either with finedust or HEPA filters up to multi-stage, security solution, including adjustable fans. HS Solid CAT duct filter housings are made from welded stainless steel (1.4301 or 1.4404 alternatively 1.4571).

HS-Solid CAT can hold combinations of coarse-, finedust- and / or HEPA Filters up to class EN 1822: H14. Even the inclusion of molecular filters for odor and gas adsorption is possible.

The integrated filter mounts are suitable for filters either from the HS-Luftfilterbau filter program and of course for standard filters from other manufacturers as well.

The circumferential 30 mm flange can be provided with on-site drills in order to be easily connected to conventional ductworks. Furthermore, any transition pieces for example possible from rectangular on the tube channels are optionally available.

Options:

- connection pieces and flanges according to the requirements on site
- Measuring equipments (pressure gauges, pressure sensors etc.)
- Fans (Axial, Radial etc.)
- anti electrostatics (EX-Schutz)
- mobile unit on rollers
- leak test port to ensure a bypass free filter insertion
- condensate drain port

Suitable for following filtertypes:

Filter Cassette	Filtration Class
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Panel Filters:

HS-Alpha Pak	G4 - F5 (EN779)
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Bag Filters:

HS-Pak 25 bis HS-Pak 95 optional auch EX-Schutz	G3 to F9 (EN779)
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Compact Cassettes:

HS-Beta Pak	F5 to F9 (EN779)
HS-Beta Pak Yellow	
HS-Makro (auch EX)	
HS-Makro F	
HS-Makro FV	

HEPA Filter:

HS-Mikro S (auch EX)	E11 to H14 (EN1822)
HS-Mikro SF	
HS-Mikro SFV	

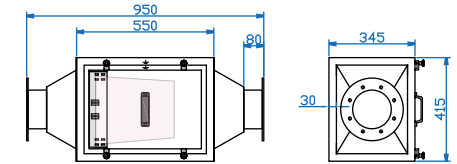
Molecular filters:

HS-AKP 26 (auch EX)	Adsorption of gaseous air impurities such as VOC's, Odors, harmful and corrosive gases such as H ₂ S or SO ₂
HS-Carbo Pak	
HS-Carbo Block	
HS-A055	

Examples for areas of application

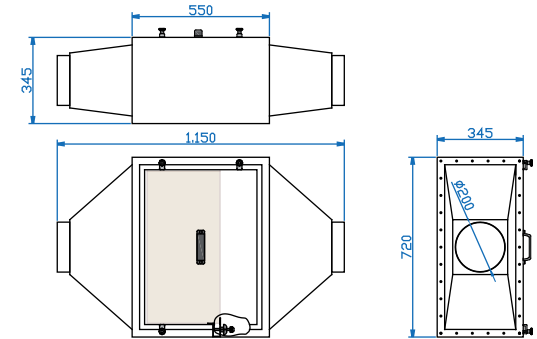
- sterile air supply in hospitals - also in combination with sterile air contributors
- supply air for clean work places in laboratories and industry such as pharmacy, food and electronics production
- exhaust air filtration to stay compliant with emission limits or for odor removal
- circulating air processes
- exhaust air filtration in ATEX-Zones
- as assembly part of machinery and heavy equipment
- filtering tasks in off-shore areas (seawater resistant filter system)
- filtration of corrosive gases or aerosols

Example: tube connected at 500 m³/h class F7 EX-protected



- duct housing with F7 particle filter for the application with potentially explosive gas / dust
- housing with welded flange and EX-protection

Example: tube connected at 1000 m³/h class H14









- duct housing for exhaust air purification Particle retention up to 99,995 %
- duct housing offers a conical connector and HEPA rapid clamping system



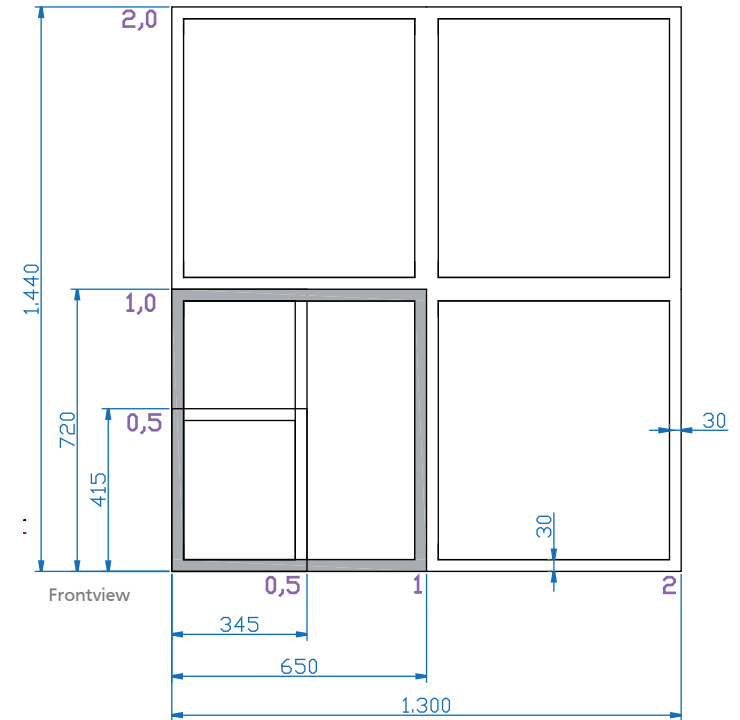


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■ HS-Solid CAT - standard sizes

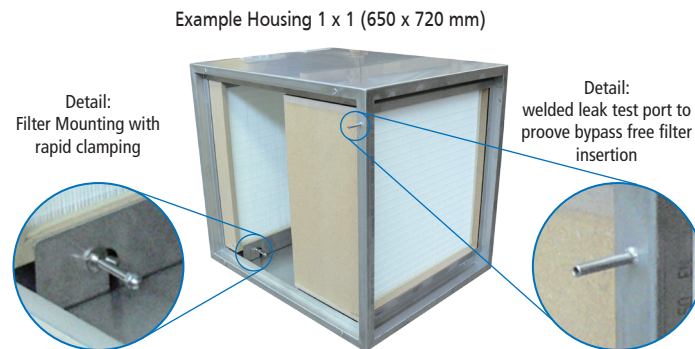
Module size in relation to the filter type Width x Height	Outer dimension W x H [mm]	Airflow Class EN779 G4	Airflow Class EN779 F5 - F9	Airflow Class EN1822 E11 - H14	Filter cartridge dimension (according to type) W x H [mm]
 0,5x0,5	345 x 415	500 - 1000	240 - 1000	140 - 700	287 x 287 305 x 305
 0,5 x 1	345 x 720	1000 - 2100	540 - 2100	300 - 2000	287 x 592 305 x 610
 1 x 1	650 x 720	1800 - 4200	1100 - 4200	650 - 4000	592 x 592 610 x 610
 1 x 2	650 x 1440	3600 - 8400	2200 - 8400	1300 - 8000	592 x 592 610 x 610
 2 x 1	1300 x 720	3600 - 8400	2200 - 8400	1300 - 8000	592 x 592 610 x 610
 2 x 2	1300 x 1440	7200-16800	4400 - 16800	2600 - 16000	592 x 592 610 x 610

■ Models and Dimensions:



■ Standards:

- Length: 550, 800 or 1000 mm
- each housing comes with 2 individually configurable filterstages
- inspection doors are related to Height x Length always positioned left or right
- strength of sheet metal: 1,5 mm



Length: 550, 800 and 1000 mm

