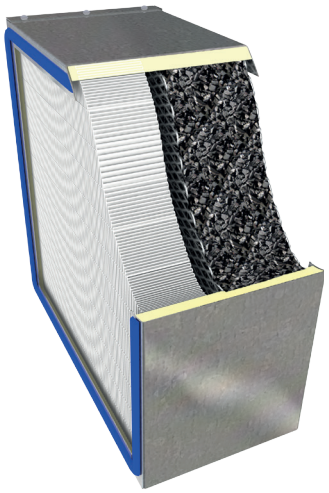
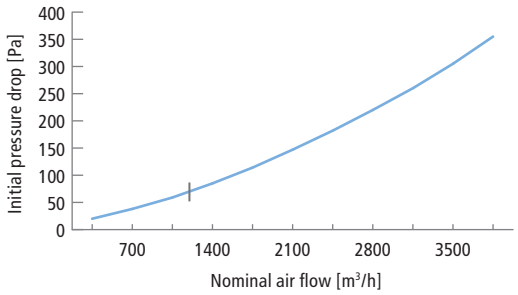
HS-Combi Filter

HS-Combi Filters are used for the filtration at exhaust air processes where gaseous and particular, also toxic air impurities have to be filtered securely. The compact combination of finedust / HEPA and activated carbon filterstages allows convinient solutions also for the most complex filtration problems in minium dimensions.



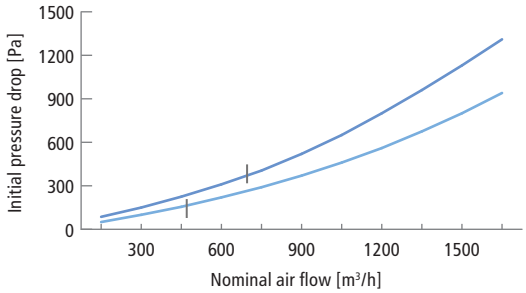
Efficiency & Design

HS-Combi Filters are designed according to your demand. The parrticle filtration efficiency may range from class EN 779:M6 up to EN 1822:H14 (>99,995 % @ 0,1-0,3 µm particle size). The adsorbtion rate for gaseous air impurities depends on the design that we choose according to your specifications and demands. HS-Combi Filters are designed for the customers requirements for outmost fulfillment of individual process demands. Please contact our professional filtration engineers for further details.



HS-Kombifilterzelle

HS-Combi Filter, size 610x610x292 mm with particle filter EN 1822:H13 and 10 m² folded activated carbon medium. Maximum airflow for the functionality of the activated carbon is 1100 m³/h in this example.



HS-Combi Filter, bed depth

100 mm

50 mm

HS-Combi Filter, size 610x610x292 mm with particle filter EN 1822:H13 and 50 / 100 mm activated carbon bed. Maximum airflow for the functionality of the carbon is 350 m³/h resp. 700 m³/h in this example.

Application examples	▪ soldering- and weldingfume filtration i.e. for Purex™ or Wella™ exhauster systems ▪ cabin air filters for special vehicles or marine technology ▪ exhaust air filter for the medical range (i.e. for laser scalpel) ▪ combined smell and partilce filtration for air recirculation systems
Frame	▪ MDF ▪ galv. steel ▪ stainless steel 1.4301 ▪ polystyrene
Operational conditions	▪ max. rel. h. 70 [%] ▪ max. ambient temperature 40 [°C]
Filtermedia	▪ particle filter stage: pleated glass fibre media (water repellent, moisture resistant) class EN 779:M6 to F9, ISO 16890: ePM10 85% - ePM 1 >95% or EN 1822: E11 - H14 ▪ adsorptive filter stage: according to requirements one can choose different forms like granular beds, carbon foam, plates or pleated media

Gasket options	height [mm]	form
seamless foamed polyurethane gasket (standard)	6 or 8	
flat sectionized neoprene gasket	6 or 8	
leak test gasket	7,5	