



With sealing integrity test facility



Optional double-groove service board

Filter casings for duct installation

HKK



Fitting of filter elements for the separation of suspended particles in areas with critical requirements

Ducted particulate filter for Mini Pleat filter panels, Mini Pleat filter cells. For installation into the ductwork of ventilation systems. Used in medicine, biology, the pharmaceuticals industry, and sensitive technical areas.

- Ducted particulate filter made of sheet steel with decontaminable powder coating RAL 9010 and clamping mechanism made of stainless steel
- Robust, welded construction with doubled-edged perimeter flanges with pre-drilled holes ensures secure sealing
- One-stage or two-stage casing, for the fitting of fine dust filters as prefilter stage and of particulate filters as second filter stage
- Secure sealing and convenient handling due to tensioning lever for a consistent contact pressure and hence sealing integrity between the casing and filter element
- With sealing integrity test facility for filter elements

Optional equipment and accessories

- Optional double-groove service board for contamination-free filter change ('safe change')
- Plastic service bag with O-ring for contamination-free filter change
- Explosion-proof construction for protection zones 1 and 2, as well as 21 and 22

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General information

Application

- Ducted particulate filters for critical requirements
- Casing for duct installation
- Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air.

Nominal sizes

- B × H × T [mm]

Variants

- M: Casing without prefilter
- PM: Casing with prefilter

Construction

- SPC steel, powder-coated RAL 9010 (pure white)
- STA stainless steel

Options

- MD: Casing with double-groove service board

Accessories

- Plastic service bag with O-ring

Useful additions

- Suitable filter elements to be ordered separately
- Mini Pleat filter panels (KOB)
- Mini Pleat filter cells (CMOB)
- Other filter elements upon request
- Spigot (HKKA)

Construction features

- Casing with robust, doubled-edged connecting flanges with pre-drilled holes.
- Automatically adjusting clamping mechanism which guarantees sealing integrity between the casing and the filter element; this clamping mechanism can only be closed when the filter element is properly seated
- Cover plate with profiled seal and 4 clamping screws with star grips
- Prefilter casing for fitting Mini Pleat filter panels as fine dust filters
- Double-groove service board and plastic service bag for contamination-free filter change
- Sealing integrity test facility for Mini Pleat filter panels as particulate filters
- Casing with indentations to ensure the precise fitting of the filter elements
- Leakage classes D according to EN 15727 and L1 according to EN 1886
- Leakage test for each individual casing

Materials and surfaces

- Casing made of sheet steel, powder-coated RAL 9010, pure white, or of stainless steel
- Stainless steel clamping mechanism

Installation and commissioning

- Installation orientation: horizontal or vertical (rotated by 90°)
- Pressure measurement points for each filter unit are part of the supply package but must be set up on site by others

Standards and guidelines

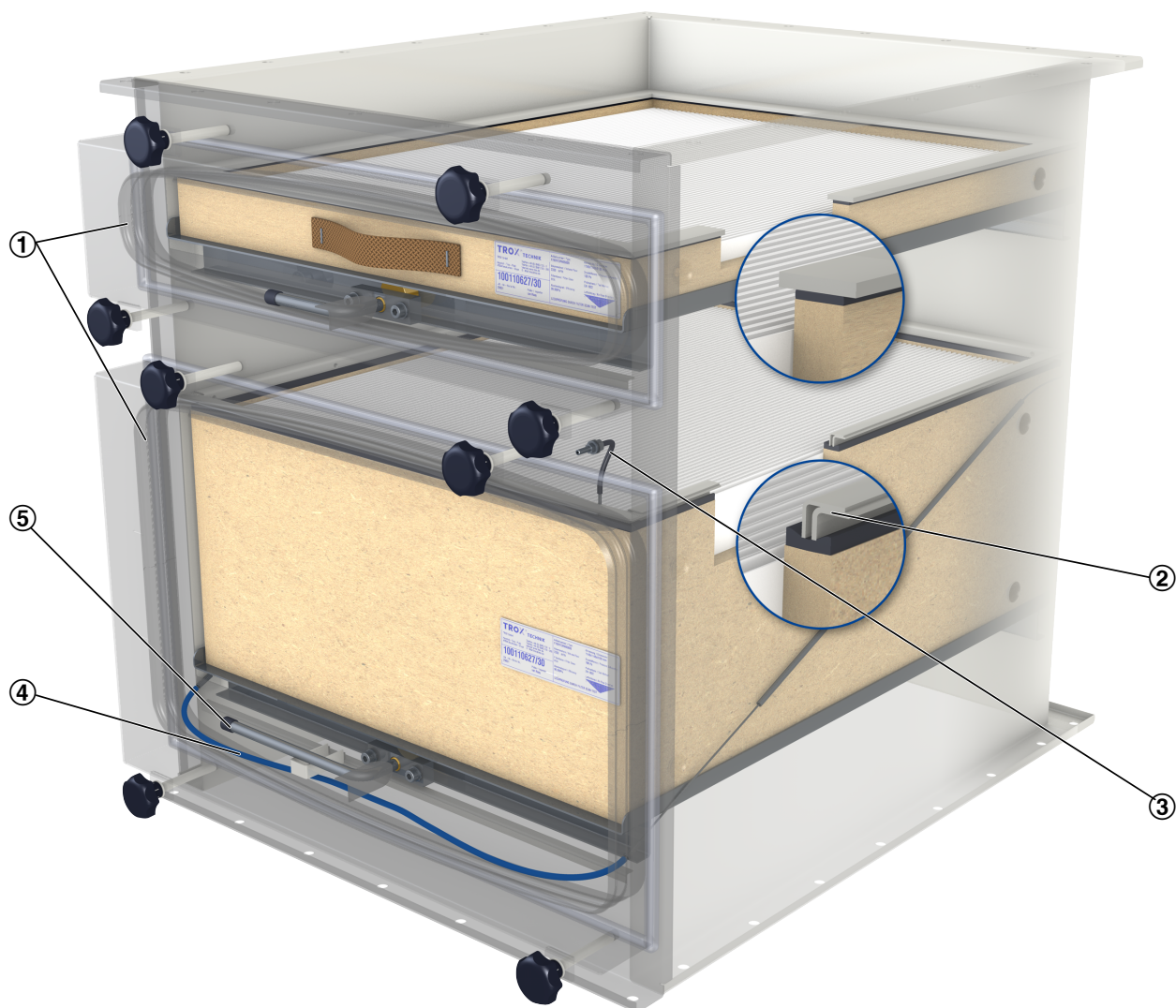
- EN 15727; Ventilation for buildings – Ducts and ductwork components, leakage classification and testing
- EN 1886; Ventilation for buildings – Air handling units – Mechanical performance

Maintenance

- Filter change: Ejection mechanism for the easy removal of the filter elements from the filter casing

Function

Schematic illustration of HKK



- ① Double-groove service board (optional)
- ② Sealing integrity test facility
- ③ Spigot for sealing integrity test facility
- ④ Ejection mechanism for filter change
- ⑤ Clamping mechanism for the filter element

Specification text

This specification text describes the general properties of the product. Texts for variants can be generated with our Easy Product Finder design program.

Specification text

Ducted particulate filters HKK for critical requirements as filter casings for installation into the ductwork of ventilation systems. Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air. Filter casings are available as one-stage construction or two-stage construction for the fitting of fine dust filters as prefilter stage and of particulate filters as second filter stage. Ducted particulate filter HKK with robust, doubled-edged connecting flanges with pre-drilled holes. Clamping mechanism made of stainless steel with tensioning lever for uniform sealing integrity between the casing and filter element. Filter casing with sealing integrity test facility, available with optional double-groove service board and plastic service bag for contamination-free filter change. The cover plate is fitted with a profiled seal and 4 clamping screws with star grips. Pressure measurement points are part of the supply package but must be set up on site by others. Leakage classes D according to EN 15727 and L1

according to EN 1886. Leakage test for every casing.

Materials and surfaces

- Casing made of sheet steel, powder-coated RAL 9010, pure white, or of stainless steel
Stainless steel clamping mechanism

Construction

- SPC steel, powder-coated RAL 9010 (pure white)
- STA stainless steel

Variants

HKK-M



- Variant HKK-M: Casing without prefilter
-

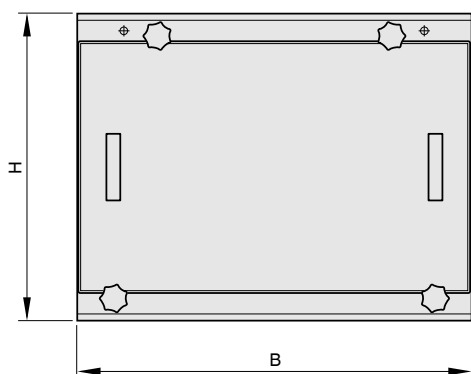
HKK-PM



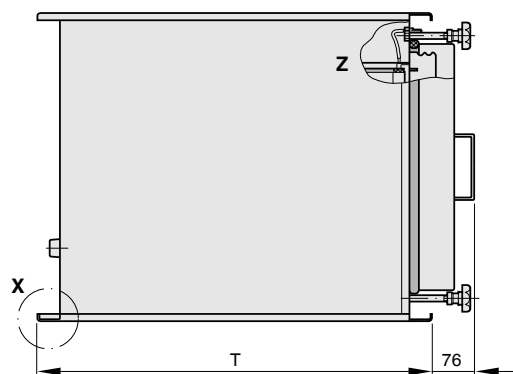
- Variant HKK-PM: Casing with prefilter

Dimensions

HKK-M, front view



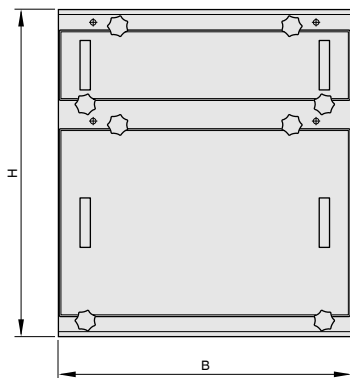
HKK-M, side view



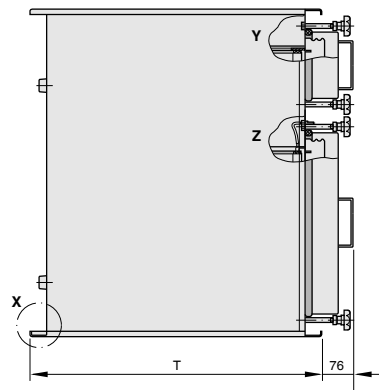
Product specific data – HKK-M

Nominal size			Filter size	~ Weight (kg)
B [mm]	H [mm]	T [mm]	B × H × T [mm]	
710	411	405	305 × 610 × 150	40
710	411	710	610 × 610 × 150	50
710	553	405	305 × 610 × 292	55
710	553	710	610 × 610 × 292	65
710	553	862	762 × 610 × 292	70

HKK-PM, front view



HKK-PM, side view



Product specific data – HKK-PM

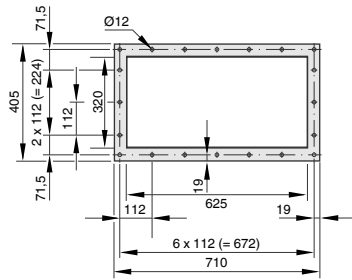
Nominal size			Prefilter size	Main filter size	~ Weight
B [mm]	H [mm]	T [mm]	B × H × T [mm]		(kg)
710	652	405	305 × 610 × 60	305 × 610 × 150	60
710	652	710	610 × 610 × 60	610 × 610 × 150	70
710	794	405	305 × 610 × 60	305 × 610 × 292	70
710	794	710	610 × 610 × 60	610 × 610 × 292	85
710	794	862	762 × 610 × 60	762 × 610 × 292	95

Product details

Installation and commissioning

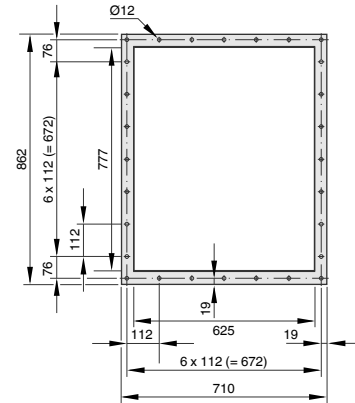
- Observe the installation and maintenance manual
- Installation orientation: horizontal or vertical (rotated by 90°)
- Casing with indentations to ensure the precise fitting of the filter elements
- Pressure measurement points for each filter unit are part of the supply package but must be set up on site by others

HKK flange dimensions



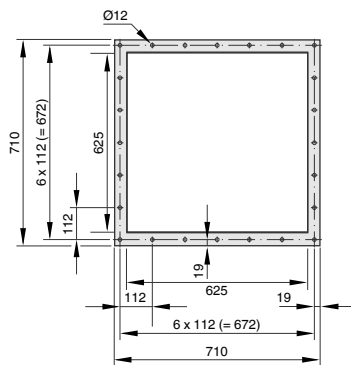
For filter 305 × 610 (B × H)

HKK flange dimensions



For filter 762 × 610 (B × H)

HKK flange dimensions



For filter 610 × 610 (B × H)