



UCA

FITTING OF FILTER ELEMENTS FOR THE SEPARATION OF COARSE AND FINE DUST OR GASEOUS SUBSTANCES

Universal casings for pocket filters, Mini Pleat filter inserts, activated carbon filter inserts, activated carbon filter cartridges or Mini Pleat filter panels with plastic frame. One-stage or two-stage construction for installation into the ductwork of ventilation systems.

- Highly variable due to different dimensions and space-saving, compact casing sizes
- Fitting of particulate filters and/or activated carbon filters in one casing depending on application
- Easy filter change through the side service door with handles and quick release clamps
- Location of the service door on the left or right when viewed in the direction of airflow
- Easy handling and secure sealing when fitting the filter elements due to four clamping elements and the continuous closed-cell foam seal of the standard cell frame mounted in the universal casing
- Quick installation without any requirement for additional

- attachments since the casing frame is used as connecting frame
- Delivery as fully assembled unit

Optional equipment and accessories

- Stainless steel construction

Application



Application

- Universal casing type UCA for installation into the ductwork of ventilation systems
- Fitting of filter elements for the separation of coarse dust and fine dust and for the adsorption of gaseous odorous substances and contaminants

Description



Variants

- 1SPF: One stage, for coarse and fine dust filters
- 2SPF: Two stages, for coarse and fine dust filters
- 1SAF: One stage, for activated carbon filter cartridges
- 2SAF: Two stages, for fine dust filters and activated carbon filter cartridges

Construction

- GAL: Galvanised steel
- STA: Stainless steel
- R: Service door on the right (in direction of airflow)
- L: Service door on the left (in direction of airflow)

Useful additions

- Suitable filter elements to be ordered separately
- Pocket filters made of non-woven chemical fibres (PFC)
- Pocket filters made of non-woven synthetic fibres (PFS)
- Pocket filters made of NanoWave® medium (PFN)
- Pocket filters made of non-woven glass fibres (PFG)
- Mini Pleat filter inserts (MFI)
- Activated carbon filter inserts (ACFI)
- Activated carbon filter cartridges (ACFC)
- Mini Pleat filter panels (MFP, construction PLA)

Construction features

- Side service door with handles and clamps
- Location of the service door on the left or right depending on the direction of airflow.
- Mounting frame with openings to accommodate and fix activated carbon filter cartridges
- Standard cell frame with four clamping elements for secure sealing between the frame and the filter element

Materials and surfaces

- Casing in galvanised sheet steel or stainless steel

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Schematic illustration of the UCA-2SPF



Example of variant UCA-2SPF, with pocket filters as first and second filter stages. When using pocket filters as second filter stage, the space required for the filters in the connected ductwork must be accounted for.

Universal casings type UCA for installation into the ductwork of ventilation systems.

Fitting of filter elements for the separation of coarse dust and fine dust and for the adsorption of gaseous odorous substances and contaminants.

Universal casings are available as one-stage or two-stage construction; side service door with handles and clamps.

Location of the service door on the left or right depending on the direction of airflow.

Universal casing consisting of either a standard cell frame for the fitting of filter elements (one stage or two stages) or of mounting plates for the fitting of activated carbon filter cartridges (one stage).

Universal casing available as two-stage construction with standard cell frame for fine dust filters and mounting plates for activated carbon filter cartridges.

Standard cell frame with four clamping elements for secure sealing between the frame and the filter element.

Fitting of activated carbon filter cartridges with bayonet fixing. The casing frame with its wide sealing surfaces forms the connecting frame for ducts.

Pressure measurement points are part of the supply package but must be set up on site by others.

Materials and surfaces

- Casing in galvanised sheet steel or stainless steel

Construction

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UCA

UCA – 1SPF – GAL / 1325 x 1630 x 650 / R

1

2

3

4

5

1 Type

UCA Universal casing

4 Nominal size [mm]

B x H x T

2 Variant

1SPF One stage for particulate filters

2SPF Two stages for particulate filters

1SAF One stage for activated carbon filters

2SAF Two stages for activated carbon filters and particulate filters

5 Service door

R On the right (in direction of airflow)

L On the left (in direction of airflow)

3 Material

GAL Galvanised steel

STA Stainless steel