TROX® TECHNIK
The art of handling air

Conforme à VDI 6022

SCF

FITTING OF FILTER ELEMENTS FOR THE SEPARATION OF COARSE AND FINE DUST

Standard cell frames for pocket filters, Mini Pleat filter inserts, activated carbon filter inserts, Mini Pleat filter panels with plastic frames, Z-line filters, and cut-to-size filter pads. For installation in air handling units or for mounting a filter wall in ventilation systems

- Highly variable since parts of various sizes can be combined
- Robust construction; cell frame available with and without groove
- Perfect compensation of tolerances due to perimeter groove in standard cell frame
- Cell frames with a groove provide various tensioning options depending on the filter frame depth
- Standard cell frames for cut-to-size filter pads with support grid and press-in frame
- Easy handling and secure sealing due to four special clamping elements and a foamed, closed-cell, silicone-free continuous seal
- Meets the hygiene requirements of VDI 6022

Optional equipment and accessories

- Stainless steel construction
- Profiled seal (replaceable)

Application

Application

- Standard cell frame type SCF as a base element for mounting a filter wall in ventilation systems
- Fitting of filter elements for the separation of coarse and fine dust
- Fitting of filter elements for the adsorption of gaseous odorous substances and contaminants
- Standard cell frame for pocket filters, Mini Pleat filter inserts, activated carbon filter inserts, Mini Pleat filter panels with plastic frames, Z-line filters, and cut-to-size filter pads.

Description

Variants

- A: Frame without perimeter groove
- B: Frame with perimeter groove
- C: Frame with perimeter groove, support grid, and tensioning frame
- Tensioning depth: 25, 48, 96 mm

Construction

- GAL: Galvanised steel
- STA: Stainless steel

Options

- CS: Continuous seal
- PS: Profiled seal

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)
- Mini Pleat filter panels (MFP, construction PLA)
- Z-line filters (ZL)
- Cut-to-size filter pads (FMP, media type G02, C04, C11, C06, construction PAD)

Construction features

- Four clamping elements for secure sealing between the cell frame and the filter elements
- Standard cell frame without perimeter groove, with either a foamed continuous seal or a profiled seal
- Standard cell frame with support grid and press-in frame for cut-to-size filter pads
- Base elements in different sizes
- Standard cell frames of the same size can be combined into a filter wall
- Maximum height: 5 standard cell frames

Materials and surfaces

- Standard cell frames made of galvanised sheet steel or stainless steel

TECHNICAL INFORMATION

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Standard cell frames type SCF as a base element for mounting a filter wall in air handling units and 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.

Standard cell frame available in various sizes with or without groove. Construction with groove and foamed continuous seal for various filter frame depths.

For cut-to-size filter pads, the cell frames are equipped with support grid and press-in frame (without seal). Standard cell frame without perimeter groove, with either a foamed continuous seal or a profiled seal.

Four clamping elements for secure sealing between the cell frame and the filter element. Standard cell frames meet the hygiene requirements of VDI 6022.

Materials and surfaces

- Standard cell frames made of galvanised sheet steel or stainless steel

Construction

- GAL: Galvanised steel
- STA: Stainless steel

SCF

SCF – B – 25 – GAL / 610 × 610 × 80 / CS
1 2 3 4 5 6

1 Type
SCF Standard cell frame

2 Variant
A Frame without perimeter groove
B Frame with perimeter groove
C Frame with perimeter groove, support grid, and tensioning frame

3 Tensioning depth [mm]
25
48
96

4 Material
GAL Galvanised steel
STA Stainless steel

5 Nominal size [mm]
B × H × T

6 Seal
No entry: none
CS Continuous seal
PS Profiled seal (only for SCF-A)