TYPE TFC

FOR CRITICAL AIR CLEANLINESS AND CRITICAL HYGIENE REQUIREMENTS, SUITABLE FOR CEILING INSTALLATION

Ceiling mounted particulate filters as final filter stage with Mini Pleat filter panels for the separation of suspended particles. Used in medicine, biology, pharmaceuticals, and sensitive technical areas.

- Easy, time-saving and secure filter change, can be completed by one person due to special press-in frame
Application

Particulate filter air terminal device type TFC for ceiling installation as final filter stage and for air distribution

Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air

Special characteristics

- Compact construction
- Easy operation
- High operational reliability

Classification

- Variants SC, TC, and SR conform to hygiene requirements

Nominal sizes [mm]

- 400, 500, 600, 625, 680

Description

- Variants
  - SC: Side entry circular spigot
  - SC00H: Side entry circular spigot, manually adjustable shut-off damper
  - SCTN0: Side entry circular spigot, shut-off damper with pneumatic actuator
  - SCBR0: Side entry circular spigot, shut-off damper with electric actuator 24 – 240 V AC
  - SCVFL: Side entry circular spigot, volume flow limiter
  - TC: Top entry circular spigot
  - SR: Side entry rectangular spigot
  - SRRK0: Side entry rectangular spigot, manually adjustable shut-off damper

- Construction
  - SPC: Steel, powder-coated RAL 9010, pure white
  - STA: Stainless steel (only for SC, TC, SR)

Parts and characteristics

- Pneumatic actuator: control pressure 0.6 – 1.0 bar
- Electric actuator: mains connection 24 – 240 V, 50 Hz
- Volume flow limiter: factory set reference volume flow rate, can be readjusted within a volume flow rate range of > 5 : 1

Attachments

- ADLQ: Ceiling diffuser
- DLQ: Ceiling diffuser
- FD: Ceiling swirl diffuser
- TDF: Ceiling swirl diffuser
- FDF: Ceiling swirl diffuser

TECHNICAL INFORMATION

- Robust, welded construction
- Compact construction, suitable for low ceilings, integration with all clean room ceiling systems of various manufacturers
- Various diffusers to ideally meet individual requirements
- Horizontal (circular, rectangular) or vertical (circular) connection
- Choice of air-tight shut-off damper or volume flow limiter for horizontal connection
- Equipment for differential pressure measurement, sealing integrity testing, and particle sampling for measurement
- For air cleanliness classes 5 to 8 according to ISO 14644-1
- Meets the hygiene requirements of VDI 6022
Installation details, Basic information and nomenclature

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