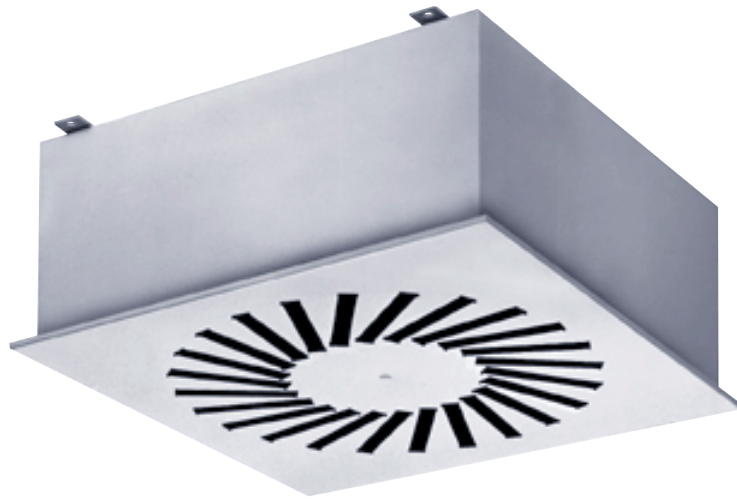


Pharmaceutical Clean Room Terminal Filter

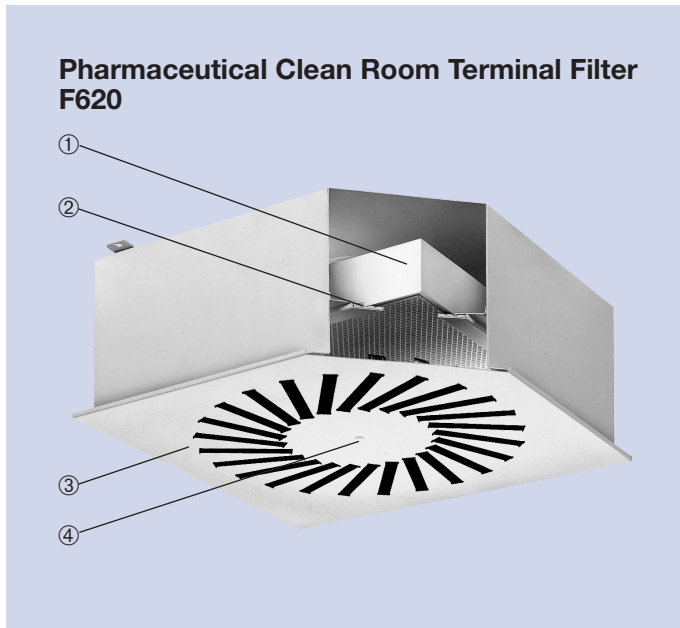


TROX[®] **TECHNIK**

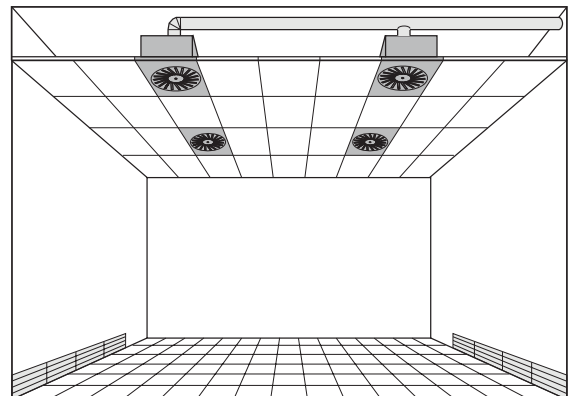
Contents · Description

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- ① Pleated high efficiency particulate filter panel
- ② Fluid sealing frame
- ③ Diffuser (swirl diffuser)
- ④ Central fixing screw for diffuser



Example of usage



Pharmaceutical clean room diffuser assembly for use in cases where a particularly high level of air cleanliness and freedom from germs is demanded, i.e. in various sensitive research and production areas in the pharmaceutical industry.

The diffuser assembly can be used in all situations where the most minute air impurities of any kind may disrupt production processes or contaminate products and lead to high reject rates. It is a basic prerequisite for the safe operation of a clean room facility, protecting the product and staff from contamination and increasing the productivity of the facility as a whole.

Either individual sterile workplaces or production zones can be created, depending on the requirement.

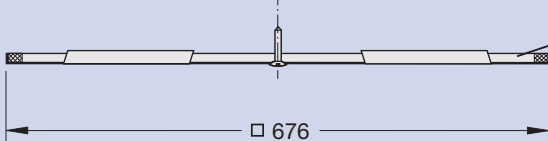
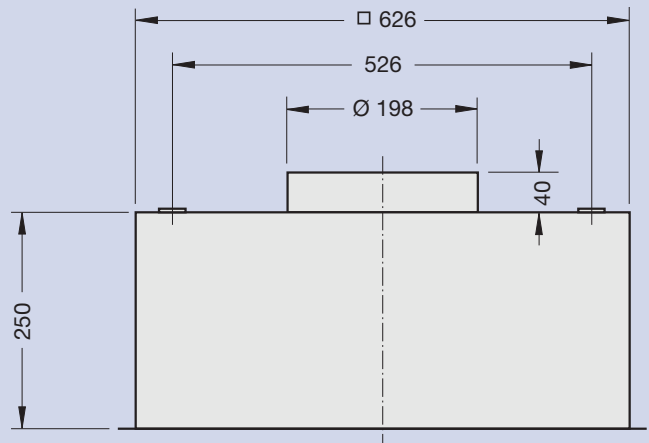
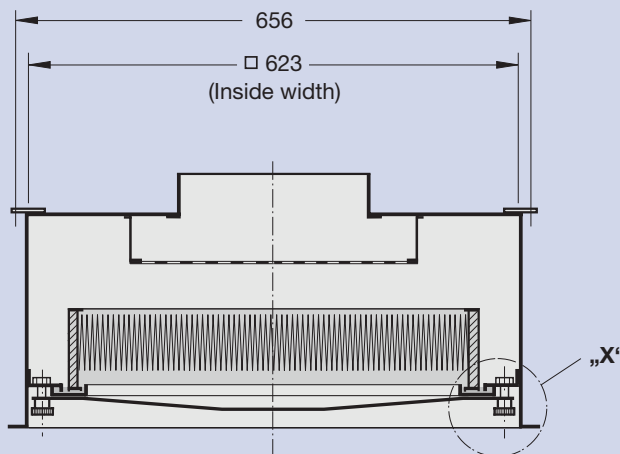
The clean room terminal filter consists of a welded filter casing made of sheet steel with powder coating (RAL 9005). The air duct is connected via a top entry circular spigot.

The filter casing is fitted with a fluid sealing frame which is also used to hold the filter cell securely. The fluid seal is an essential element of the ceiling diffuser assembly, facilitating a completely leakproof, sealed seat for the filter cell. The fluid comprises a high-flowability silicone rubber of low vulcanisation hardness. On the clean air side there is a casing perimeter frame containing the fluid seal. The filter frame has a special section which is immersed into the fluid seal, thus creating a connection between the casing and the filter cell which is impermeable to particles. No renewal of the fluid seal is required even after changing the filter cell, since the low surface tension of the fluid ensures renewed enclosure of the frame.

The filter casing is fitted with measuring points for monitoring the operating pressure difference. The diffuser face (swirl diffuser with fixed directional control blades) is made of powder coated steel sheet (RAL 9010). Central fixing ensures uniform contact pressure and facilitates quick removal for the purpose of servicing and decontamination of the clean room terminal filter.

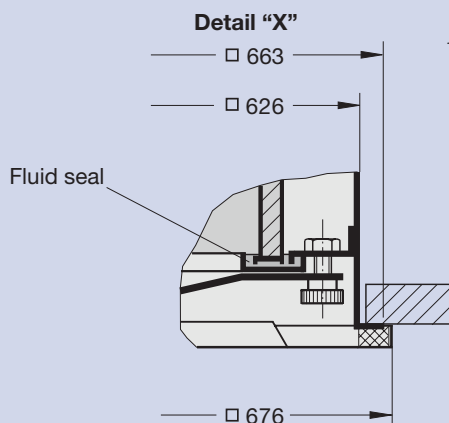
The clean room terminal filter is supplied in the following dimensions: (W x H x D) 626 x 626 x 250 mm. Other sizes or models are available on request (see also leaflet F6/1/EN, "High Efficiency Terminal Filter").

Dimensions



Diffuser assembly¹⁾
 FDF-Q/676 x 24

F Max. volume flow = 170 l/s (600 m³/h)



¹⁾Type designation with code letter for order number

Filter Data · Order Details

Filter Type	F781
High efficiency particulate filter – Class to EN 1822 ¹⁾	H13
Filtration efficiency according to EN 1822 in %	> 99.95
Initial pressure difference at rated volume flow in Pa	140
Recomm. final pressure diff. in Pa	600
Max. operating temperature in °C	80
Max. relative humidity in %	100
Dimensions W x H x D in mm	550 x 550 x 78
Rated volume flow in l/s (m ³ /h)	170 (600)
Order Number	F781 N98

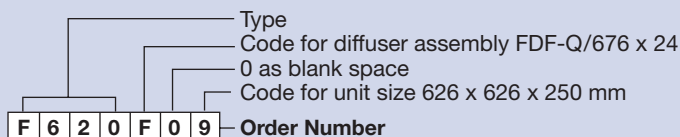
Pleated High Efficiency Particulate Filter Panels

are high-performance filters for use in applications where maximum air purity is demanded. The filter frame consists of a solid aluminium extruded section. High-grade, waterproof glass fibre paper with thermoplastic spacers is used as the filter medium. This is joined securely to the filter frame by means of a permanently elastic sealing compound. The high efficiency particulate filters are type-tested to EN 1822 and is tested for leaks by an oil mist test. They are enclosed in a special sturdy cardboard box for transportation.

¹⁾EN 1822: "Particulate Filter (HEPA and ULPA)"

Order Code

- Pharmaceutical ceiling terminal filter with top entry circular spigot
- casing with fluid sealing frame
- casing for filter cell 550 x 550 x 78 mm
- diffuser assembly with fixed air control blades



Specification Text

Item	Qty.	Description
		<p>Trox Pharmaceutical Clean Room Terminal Filter F620 comprising: Filter casing made of sheet steel with fluid sealing frame to hold filter cell securely and measuring points for monitoring the operating pressure difference. Diffuser assembly in powder coated steel sheet (colour RAL 9010).</p> <p>Trox Pleated High Efficiency Particulate Filter Panels comprising: Filter frame made of aluminium extruded section; filter medium made of high-grade, waterproof glass fibre paper with thermoplastic spacers. The particulate filters are type-tested to EN 1822 and tested individually for leaks from filter class H13 onwards; they are packed in special sturdy cardboard boxes for transportation.</p> <p>Technical data: Dimensions W x H x D _____ mm Diameter of top spigot _____ mm Volume flow _____ l/s (m³/h) Net weight _____ kg Order number _____ Make: Trox</p>
		Price /Item