

AIR TERMINAL DEVICES



Aerodynamically optimised air terminal devices are extremely important to TROX. Perfect aerodynamic properties ensure maximum safety and thermal comfort.

Selecting air terminal devices.

When selecting a supply air diffuser, the point of discharge and the room height are as important as the cooling loads. If one compares a room air conditioning system to a chain, air terminal devices would be the most critical link for thermal comfort. They are supposed to ensure that the occupied zone meets the most demanding requirements of thermal comfort: Room air conditioning is most comfortable if you cannot see it, hear it or feel it.

There is hardly another manufacturer who offers such a wide range of different air terminal devices. Whether installed freely suspended or flush with the ceiling, they always blend in perfectly with the room architecture, due to a multitude of construction variants and attractive surfaces.

TROX has developed bespoke solutions for the special requirements of clean rooms. These apply to the highest air cleanliness, i.e. for critical and very critical hygiene requirements in the sensitive and very sensitive areas of medicine, biology, pharmaceuticals and food processing.

- They meet the hygiene requirements of VDI 6022
- For air cleanliness classes 5 to 8 according to ISO 14644-1

- Particulate filter air terminal devices as final filters, with Mini Pleat filter panels, for the separation of suspended particles
- Easy, time-saving and secure filter change due to special press-in frame
- Various diffusers to ideally meet individual requirements

TFP PHARMACEUTICAL CLEAN ROOM



TFP pharmaceutical clean room terminal filters for Mini Pleat filter panels with downstream fluid seals that meet the highest hygiene requirements

- Diffuser face is held in place by magnets and can be hinged down
- Easy cleaning and validation; filter change without tools

TFM PARTICULATE FILTER MODULES



TFM particulate filter modules with Mini Pleat filter panels as final filter stage

- Individual modules can be combined into larger ceiling sections

TFC CEILING MOUNTED PARTICULATE FILTERS



TFC ceiling mounted particulate filters with Mini Pleat filter panels as final filter stage

- Compact construction, suitable for low ceilings
- Can be combined with all clean room ceiling systems of various manufacturers

TFW WALL MOUNTED PARTICULATE FILTER



TFW wall mounted particulate filter with Mini Pleat filter panels as final filter stage for the separation of suspended particles

- Different constructions for filter elements with different frame depths