

FFD

rigid floor diffuser





Design

The FFD is a floor diffuser which is particularly suitable for use within telecommunication rooms, computer centres and commercial offices where a good ventilation of the space is required .The diffuser supplies the air in such a way that a stable temperature is quickly achieved, thus it is best suitable for heating and cooling of electronic equipment and other devices.

The diffuser is meant for direct installation into the upper surface of the pressurised floor void but can also be connected via an optional plenum box.

Function:

The diffuser can be used for flow rates from 55 m³/h up to 175 m³/h, the maximum temperature difference between room and supply air should not be higher than 10K. Depending on temperature differential the air leaves the diffuser creating in bell shape air plume providing an intensive mixture with the room air. Air velocities and temperature differences are promptly reduced.

Material:

The diffuser consists of mechanically durable plastic (max. load on the diffuser 550 kg); colours: grey (similar to RAL 7040) or black

Accessories & optional varieties:

- plenum box
- throttle within spigot
- in other RALs on inquiry

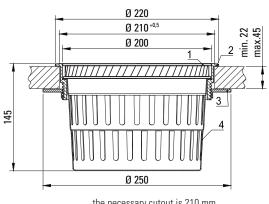


rigid floor diffuser

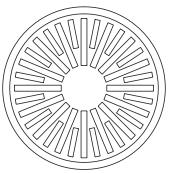


dimensions and accessories:

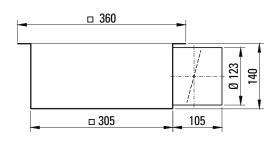
FFD

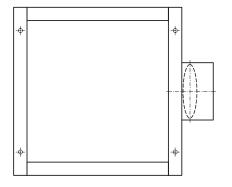




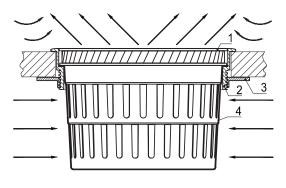


plenum box

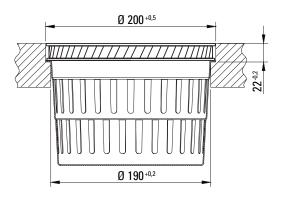




floor assembly:



front plate (1), mounting ring (2), installation shell (3), intake basket (4)



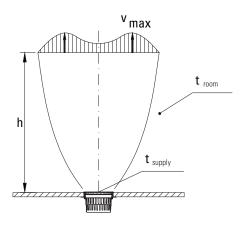
assembly without mounting ring (2) and installation shell (3)

FFD



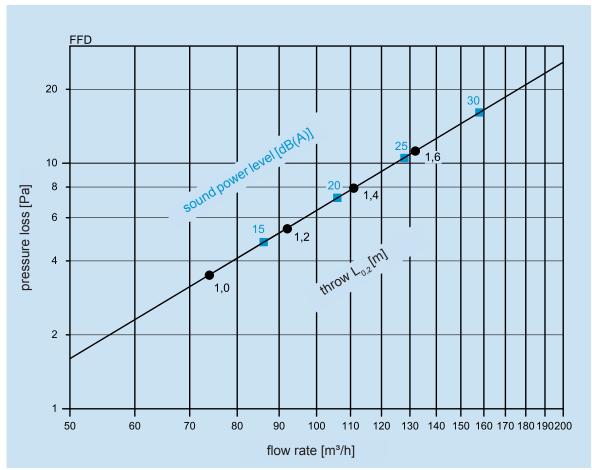


principal beam diffusion:



At maximum flow rates in cooling mode the difference between supply and room air temperatures in the occupied zone is less than 1 K, which means that the supply air is fully mixed, ensuring maximum comfort.

flow data:



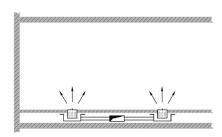
(the sound pressure levels given are valid for a room with a room absorption area of 10m² Sabine and a room attenuation of 4 dB)

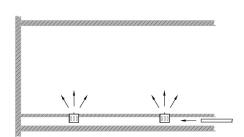
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installation example





tender text

FFD

floor diffuser FFD for direct assembly into floor or plenum suitable for effective air conditioning and cooling especially for thermally loaded rooms, consisting of durable plastic in grey (similar to RAL 7040) or black.

AK

plenum box with horizontal spigot made from galvanized steel

D

perforated throttle plate within the spigot made from galvanized steel by tape tension

Manufacturer

SLT \cdot Schanze Lufttechnik GmbH & Co. KG \cdot Lenzfeld 8 \cdot D - 49811 Lingen (Ems)

Tel. $+49(0)591/97337-0 \cdot Fax +49(0)591/97337-50 \cdot info@slt-lingen.de$

Type

FFD-.....

Quantity

..... pcs.

Ordering example FDD - AK - D

throttle plenum box