

Air Diffuser Systems - Lab Application

Lab Air Diffuser Type LTD



Powder coated, color according to RAL or galvanized steel

Features

- Diffuser specifically designed for labs and industrial halls.
- Suitable for high air exchange rates.
- Differentials to -5K
- Suitable for low ceiling heights and variable flow rates.
- Modular system.
- Suitable for both free suspension and suspended ceilings.
- Steady flow pattern with local displacement characteristic.
- Air guidance with reduced induction from top to bottom, displacement character resulting in high air quality in the occupied zone.
- Preferable diffusion height: 3-4 m.
- Flow width depending on Δt and flow rate.
- LTD2: Version for increased flow rates,
BG 1100: up to 400m³/h/module
BG 2000: up to 800m³/h/module.

Example for standard lab, LTD 2 BG 2000, comfort according to DIN 1946:

2 lines with 3 modules each with 600 m³/h/module = 2x3x600 m³/h = **3600 m³/h/room** with a distance of 3.5 m between modules, sound power about 42 dB(A)/module, duct speed about 3 m/s, diffusion height about 3 m

