TROX® TECHNIK
The art of handling air

WORK AREAS

Common rooms, meeting rooms or offices are not required to have a mechanical ventilation system yet scientists have long known the inspiring effect of good indoor air. They have been able to prove that performance levels may increase by up to 5 %. It is important, though, that the ventilation system is neither heard, nor felt.

Investing into the refurbishment of existing ventilation and air conditioning systems pays off because the economic effect of a favourable indoor air climate is an undisputed fact. If a bad room climate results in just one percent less value added, this actually costs a hospital more than the total capital and operating costs for heating and air conditioning in a whole year.

DID632 ACTIVE CHILLED BEAMS

The DID632 active chilled beam features an optimised nozzle configuration and new geometry. It can provide high cooling capacities at low fresh air flow rates (up to 2500 W at 250 m³/h). This results in low and comfortable air velocities in the occupied zone.

Primary air:
6 – 85 l/s
22 – 306 m³/h
L 900 – 3000 mm
W 593, 598, 618, 623 mm
H 210 mm
Cooling capacity up to 2500 W
Heating capacity up to 3000 W

TDV-SILENTAIR SWIRL DIFFUSERS

TDV-SilentAIR swirl diffusers feature high volume flow rates at low sound power levels. Supply air discharge in a swirl or horizontally as well as high induction levels ensure a balanced temperature and rapid decrease of the initial airflow velocity. Both square and circular models are available.

Circular; square
30 – 280 l/s
100 – 1000 m³/h
Ø 300 – 625 mm
298 – 623 mm

CA SILENCERS

TROX silencers provide additional attenuation. Noise causes many health problems and is something one cannot get used to. Acoustic stimuli affect the brain much more and require a much stronger physiological

response than other stimuli. This is why noise in ventilation and air conditioning systems must be reduced to levels that are harmless. One way of doing this is installing silencers in ducts.

Circular
Ø 100 – 1000 mm
L 500 – 1500 mm
Insulation thickness:
50 or 100 mm
Casing air leakage to EN 1751, class A