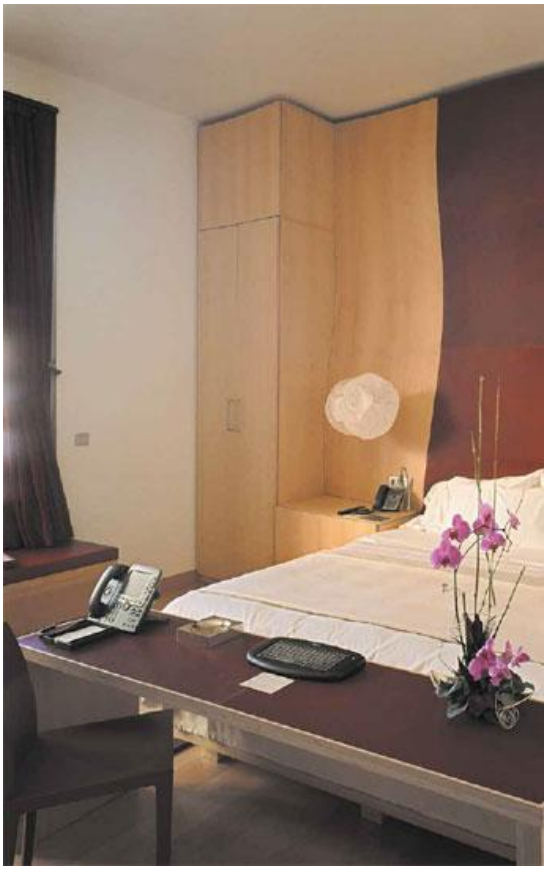
TROX® TECHNIK
The art of handling air

GUEST ROOMS



Enabling guests to control the room climate individually and enjoy perfect comfort is becoming a significant competitive factor for hotel owners. Guest rooms may be comparatively small, yet they constitute major challenges to the air conditioning:

1. Blending in with the architecture
2. Highly efficient, thereby saving operating costs
3. To be individually controlled by guests
4. Quiet and draught-free
5. Standby mode to be centrally controlled and adapted to different loads; with minimum volume flow rate to remove odorous substances

Active chilled beams of type DID-E have been specially developed such that guests are not disturbed while sleeping. The mixed flow air distribution ensures a pleasantly quiet climate of wellbeing also at night. The DID-E is a unit with one way air discharge that is predestined for hotel applications, for example for installation in a suspended ceiling and thus not visible.

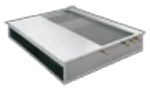
The type DID-E active chilled beams are available in six sizes for volume flow rates from 36 to 300 m³/h and with a heating/cooling capacity of up to 1.7 kW, i.e. for the efficient air conditioning of both smaller single rooms and larger suites.

Guests can adjust the room climate at any time and create their own comfort zone using the control panel.

Decentralised air water systems, or façade ventilation systems, blend in with the façade. They are available as sill units or under sill units or can be installed to the side of windows. The compact units provide up to 120 m³/h of fresh air. The fresh air is filtered and supplied to the room as warm or cold air, depending on users' needs. As these units work very quietly, the guests are not disturbed while sleeping even if the

air condition is running all night. The air and water quantities can be individually controlled and adjusted for each guest.

VFC volume flow controllers are mechanical system-powered controllers for constant and variable volume flow systems with low air velocities.



ACTIVE CHILLED BEAMS DID-E

Primary air:
10 – 78 l/s
36 – 281 m³/h
L: 550 und 614 mm
B: 900, 1200 und 1500 mm
H: 200 mm
Cooling capacity: up to 1.000 W
Heating capacity: up to 500 W

DECENTRALISED AIR WATER SYSTEM

42 – 69 l/s
150 – 250 m³/h,
Boost 320 m3/h
L: 400 mm
B: 360 mm
H: 2.400 mm
Cooling capacity up to 1.170 W
Heating capacity up to 3.920 W

VOLUME FLOW CONTROLLERS VFC

6 – 370 l/s
20 – 1.332 m³/h
Ø 80 – 250 mm
Δp 30 – 500 Pa
Casing air leakage rate acording to
EN 1751, class A