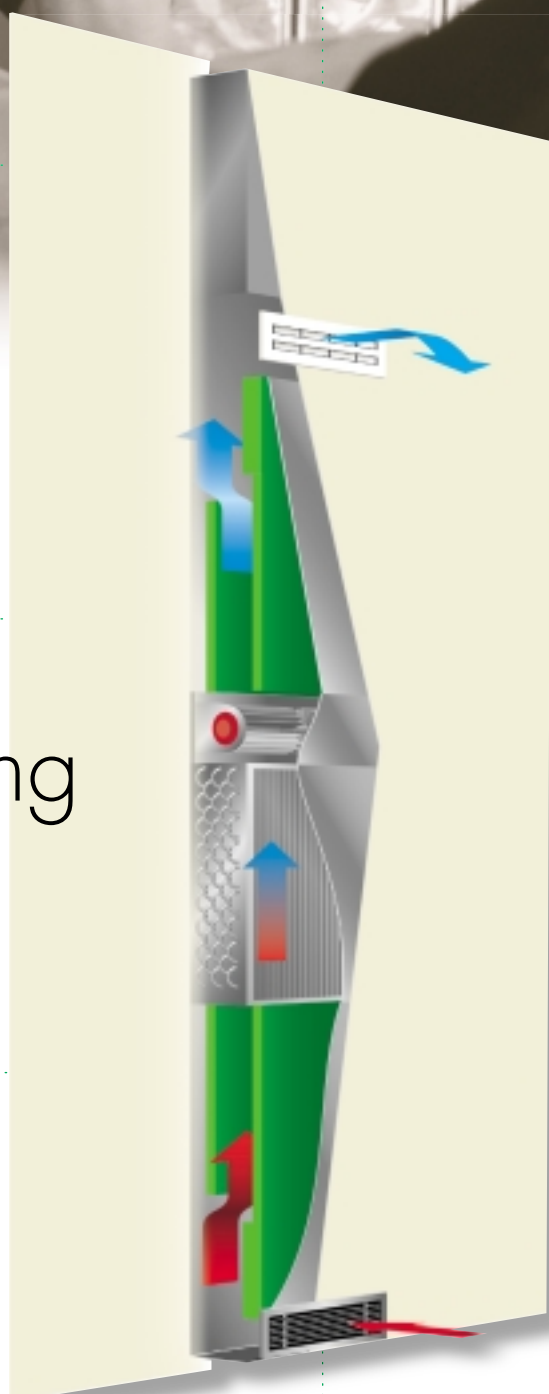




The superior form
of decentralised
air conditioning

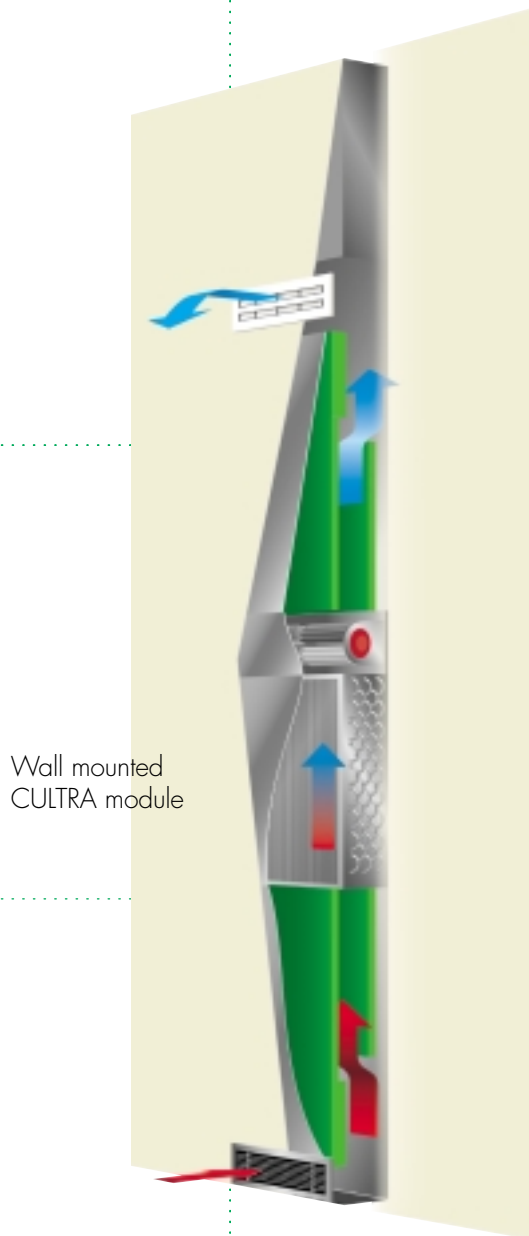


SCHALKO
KLIMA-LUFT

Air conditioning module

CULTRA

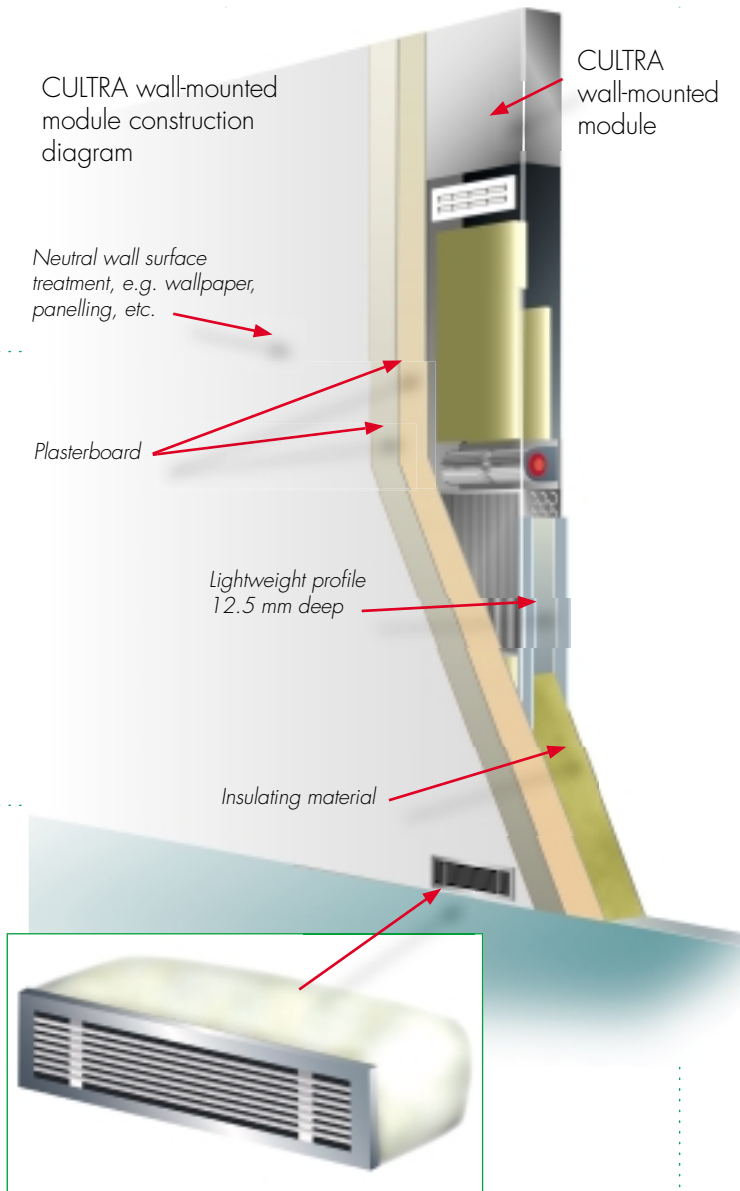
The superior form of decentralised air conditioning



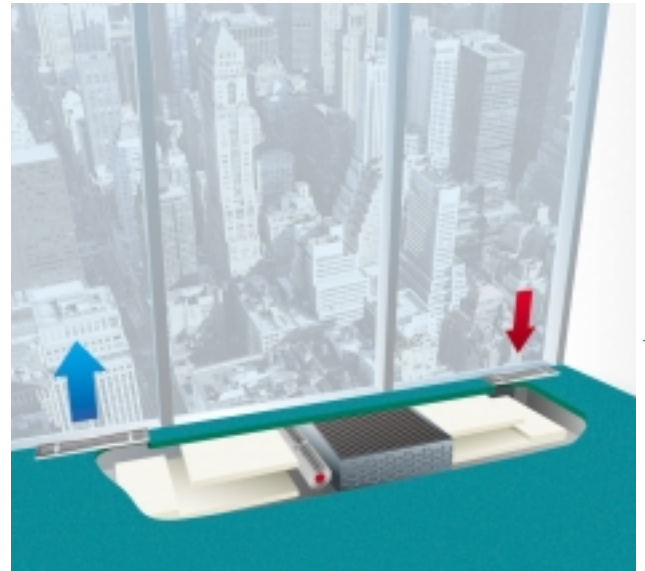
How it works

Air is drawn in from the room through the intake grille by a suction fan and filtered by the filter mounted behind it. An integral deflector-type sound absorber reduces air flow noises. The air is then directed through the heating or cooling system and raised or lowered to the desired temperature. For further noise reduction, it passes through an additional sound absorber and is then discharged into the room again via the outlet grille. The air conditioning module is capable of functioning with recirculating air, fresh air or a combination of the two.

- A CULTRA air conditioning module, built into the wall, prevents expensive office floor space from being wasted. Its outstanding adaptability offers architects complete freedom in the use of the available space.
- If the room undergoes a change of use or partition walls are moved, the air conditioning module can be quickly repositioned. On moving offices, the occupant can even take the air conditioning module with him in the same way as an item of office equipment.
- The air conditioning module needs only to be plugged into a power socket and is therefore cheap to install, at a cost which can be precisely estimated. Installation is made all the easier by the fact that the module is designed to fit into the gap between the uprights of partition walls.
- Its shallow depth of 125 mm permits installation in walls, ceilings or floors. Retrospective wall-mounting is also possible.
- Performing the dual functions of cooling and heating, the air conditioning module replaces conventional heating systems and high cost cooled ceiling systems.
- Practical cooling output of 900 W is optimised for offices with floor areas up to 24 m². A number of modules can be used for larger areas.
- The airflow rate is 250 m³ per hour.
- If desired, the CULTRA-FRESH supplementary fresh air module can be used to fulfil the requirement for ventilation at floor level. Since up to three air conditioning modules can be supplied through a single fresh air module, fewer apertures need be made in outside walls.
- Quick-release intake grille permits rapid filter replacement.
- Acoustically isolated suspended mounting system prevents the transmission of structure-borne sound to the ceiling and partition wall.
- Considerable design freedom is afforded by a wide variety of types of air intake and discharge grilles.
- Fully soundproofed, the air conditioning module is superior to existing systems and can even be used in sound studios.



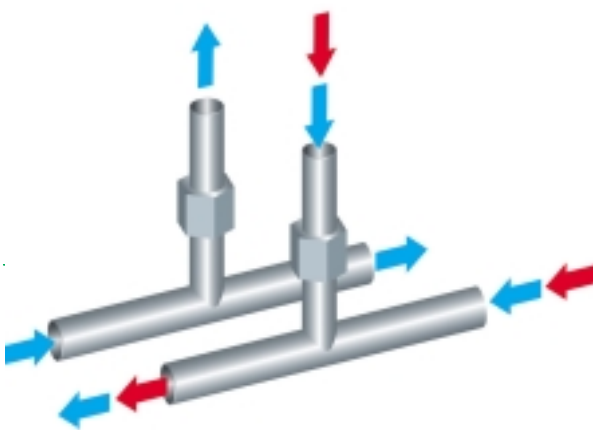
Rapid filter replacement is made possible by the easily removed intake grille



Construction diagram showing the CULTRA floor-based module



Construction diagram showing the CULTRA ceiling mounted module



Water supply and return system (cooling)



The CULTRA FRESH supplementary fresh air module can, if required, fulfil the requirement for floor ventilation for up to three air conditioning modules.



CULTRA modules can be adapted to suit any interior decor - they can be wallpapered, painted or clad in any other suitable material of the user's choice.



Buildings featuring SCHAKO equipment

- TV Synchron Studios, Berlin
- Pro 7 AG, Munich
- Studio On Air Promotion - Bavaria, Munich
- Mischkino Berg-Technik - Kirch AG, Munich
- Television Studios Coloneum MMC, Köln

