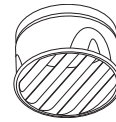




Ductable units

INNOVATION

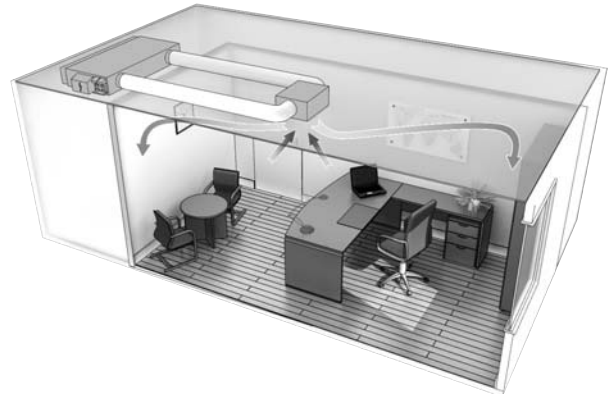


COADIS COMBI

A three-in-one solution
based on **Coadis** technology and
delivering guaranteed comfort

The slim, smart plenum box combines:

- Two-way Coanda effect air discharge nozzles
- Perforated metal central air return
- Built-in filter on air return



A solution for private offices or open-plan office spaces when combined with a ductable system in a 'U' configuration.

COMMERCIAL USE

The Coadis COMBI can be installed in place of 600 x 600 or 675 x 675 suspended ceiling tiles. It covers a broad range of flow rates whilst maintaining the Coanda effect for excellent air diffusion. All maintenance on the filterless version (filter on AHU) is carried out from outside the office spaces.

RANGE

150 to 750 m³/h depending on the number of nozzles and models.

270 or 320 mm thickness depending on the diameter of the spigots (200 or 250 mm) and the available space in the suspended ceiling.

Sized for 600 x 600 mm or 675 x 675 mm tiles. Suitable for offices split into two or three zones.

PRODUCT BENEFITS

- All-in-one design for guaranteed performance.
- Total comfort in work areas delivered by technology that has been tried and tested for over 10 years.
- Perfect for individual and open-plan office spaces.
- Easy installation in a wide variety of configurations.
- Easy maintenance, which can be carried out entirely from outside the office spaces.

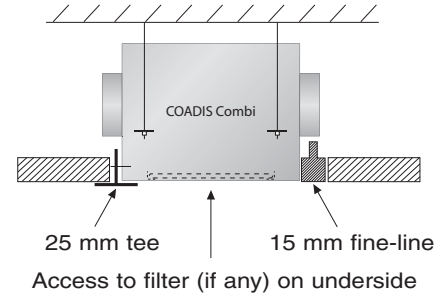


Ductable units

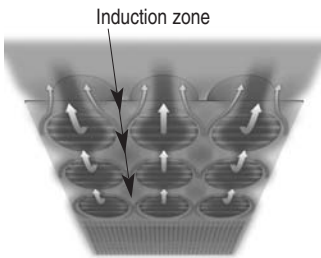
COADIS COMBI

CONSTRUCTION

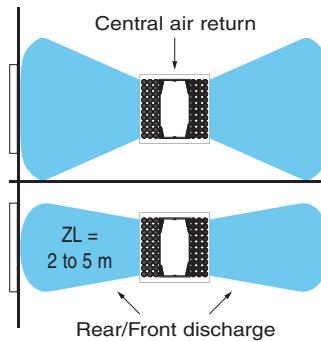
Condensation-free insulated galvanised steel plenum box.
 White (RAL 9010) return air panel with diffusion nozzles, return air grille and optional filter.
 Optional filter fitted on holder grille for easy removal.
 Aerodynamic shape keeps pressure drops to a minimum.
 Four mounting brackets.
 Basic version compatible with 25 mm tee or 15 mm fine-line sections (contact us for other types of sections).



NOZZLES AND AIR DIFFUSION

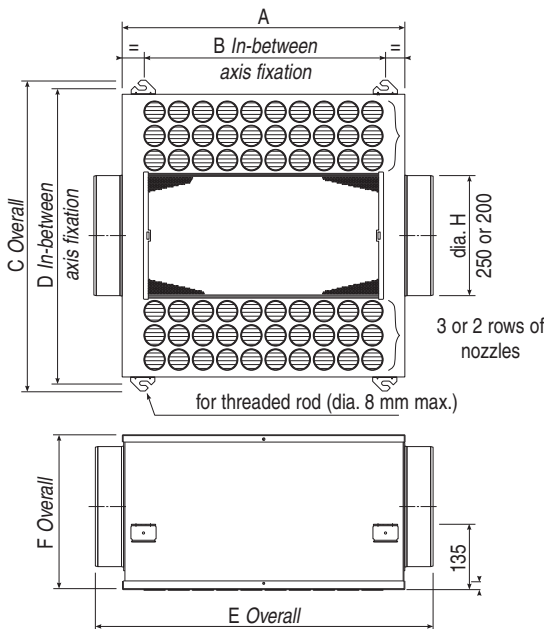


The nozzles are aligned to generate many induction zones. The temperature at the end of each air stream is attained through a perfect blend of supply air and ambient air. The high induction rate of our nozzles (over 40%) makes it possible to obtain a temperature close to that of the room temperature. As the diffusion by Coanda effect takes over, it is possible to air condition while maintaining optimum comfort, notably there is no sensation of cold air flow in the occupied zone.



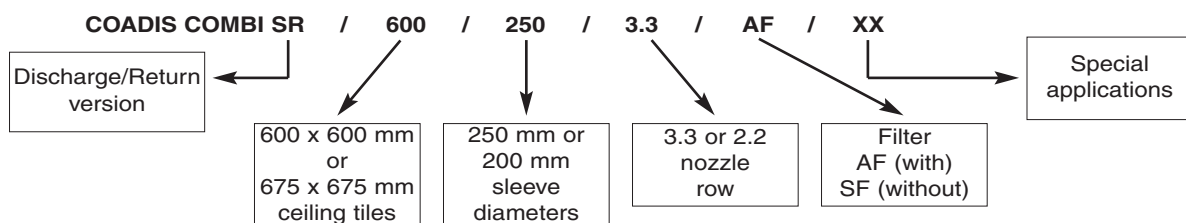
The air stream can be adjusted without interfering with partition walls in modular offices or a nearby plenum box in open-plan offices.

DIMENSIONS



COADIS COMBI	A	B	C	D	E	F	G	dia. H	Weight (kg)
SR / 600 / 200	584	500	642	610	700	270	114	200	14
SR / 600 / 250	584	500	642	610	700	320	148	250	15
SR / 675 / 200	659	575	717	685	775	270	114	200	17
SR / 675 / 250	659	575	717	685	775	320	148	250	19

DESIGNATION

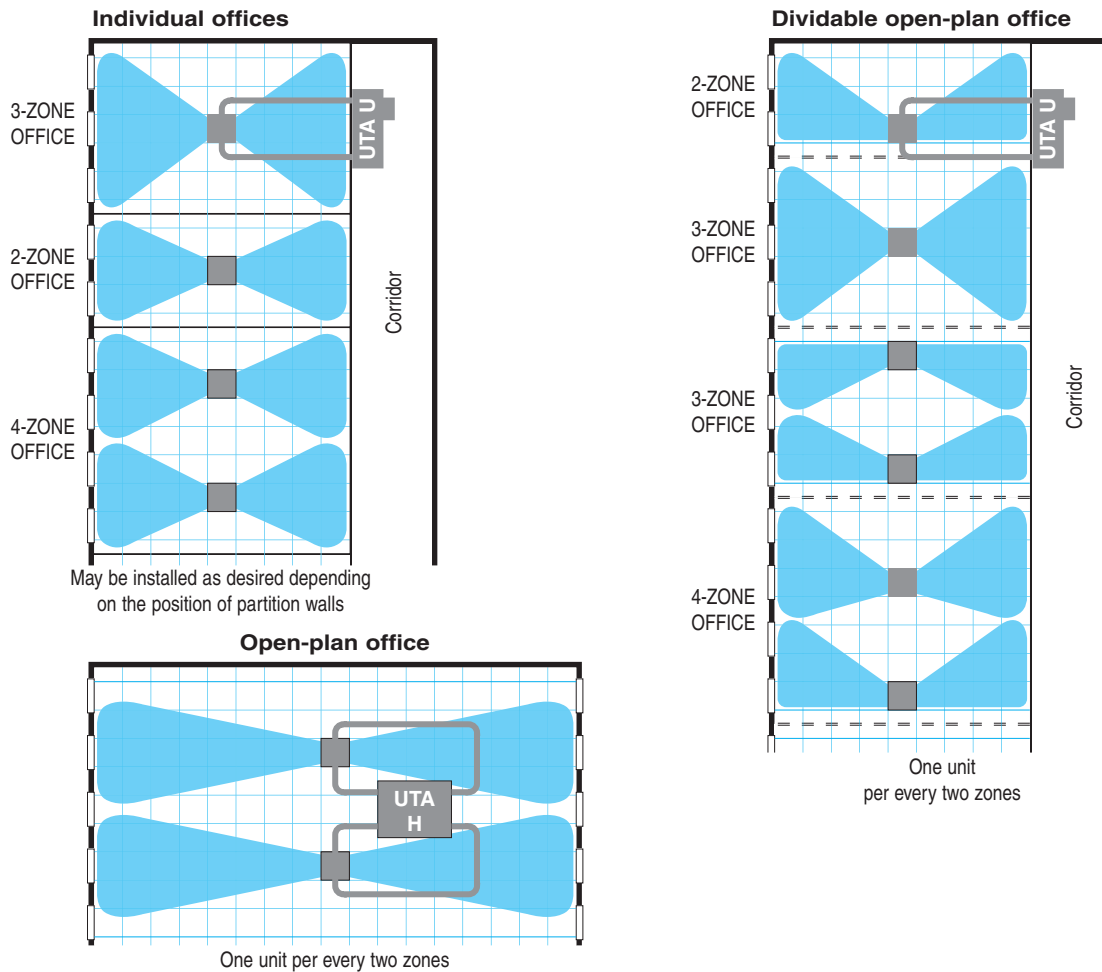


OPERATING RANGE

COADIS COMBI	Flow range (m³/h)	Range on each side (m)
SR /600/200/3.3	150 to 450	1.9 to 4.3
SR/600/250/3.3	250 to 600	2.1 to 4.3
SR/675/200/3.3	300 to 650	2 to 4.2
SR/675/250/3.3	300 to 750	2 to 4.8

EXAMPLE OF INSTALLATION

The broad operating range allows for many installation configurations.



SPECIFICATIONS

- Discharge/return plenum boxes must be fitted with directional round nozzles. They shall allow the range of the air stream to be adjusted as well as obtain high flow rates and a high rate of primary induction at each nozzle outlet.
- They shall be designed to ensure the right Coanda effect, even at a low rate of flow, in order to meet ISO 7730 comfort ratings.
- They must be aerodynamic in design so as to save energy (the lowest possible necessary available pressure).
- The performance specifications of each AHU shall be provided and guaranteed, taking account of the discharge/return plenum.
- They must be insulated both thermally (to avoid condensation) and acoustically.
- They shall diffuse air towards windows and interiors along the lengths of rooms. To avoid interaction with partition walls, air shall not be blown sideways. They will thus allow for installation in open-plan offices with no interaction between air streams.
- They must be suitably designed to avoid any bypass between the supply air and the return air so as not to diminish the technical performance of the AHU, even at the lowest speeds.

For information on performance specifications and prices, please contact CIAT.