Installation instructions

DUALIA grid and connection box



Document n° YBI-08K25.EN

EUREVIA by De Dietrich

Description of the dUALIA range

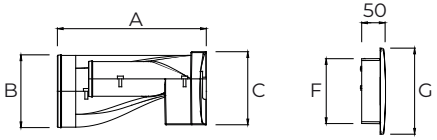
The products in the dUALIA range are used to supply fresh air, diffuse conditioned air by means of the Coanda effect, and then return the recycled air. The sophisticated yet discreet design, low noise levels and easy maintenance make these products particularly suitable for the residential and hotel markets. The patented fastening system and minimised pressure drop are technical guarantees of quality for an optimised installation.

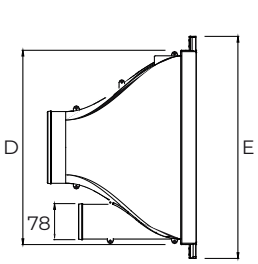
Dimensions and weights

Models	A	B	C	D	E	F	G	H	I	Grids	Connection boxes
	mm									kg	
dUALIA slim 400	265	123	106	420	478	90	120	405	450	0,4	1,0
dUALIA 400	325	158	158	420	478	140	185	405	450	0,5	1,3
dUALIA 700	415	198	158	720	778	140	185	705	750	1,0	2,2

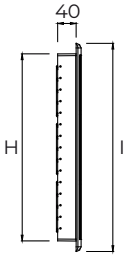
Cavity dimensions (L x H) pour dUALIA slim 400 : 410 x 108 mm.
Cavity dimensions (L x H) pour dUALIA 400 : 410 x 160 mm.
Cavity dimensions (L x H) pour dUALIA 700 : 710 x 160 mm.

It is essential to respect the cavity dimensions in order to ensure the smooth operation of the diffusers.





Connection box



Grid

Accessories

The dUALIA equipment is supplied with the following accessories:


2 clips per connection box


2 spacers per connection box


2 wing nuts per connection box

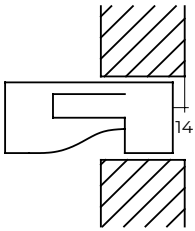

1 bung per connection box


4 x M4 screws per grid

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Concrete seal

Connection boxes can be sealed into concrete walls, leaving a 14 mm gap between the edge of the wall and the connection box.

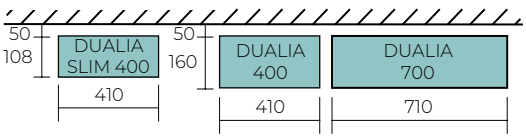


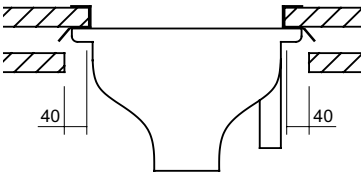
Installation method



Cutting the partition wall

Cut the partition wall to the dimensions of the grid being used. For double partition walls, widen the cut-out by 40 mm on the connection box side.

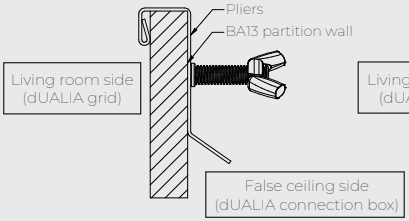




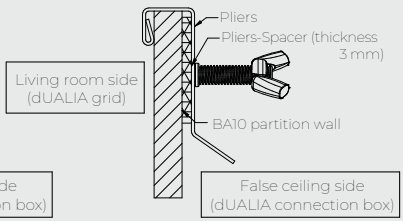
Inserting the clips

Attach the clips as follows.

Wall thickness BA 13



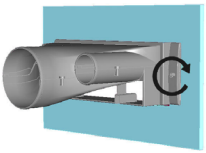
Wall thickness BA 10



Create two 3-mm-thick spacers with the following dimensions:

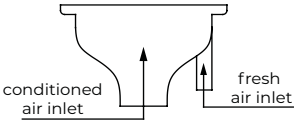
- Connection box 400 and 700: 139 x 36 mm

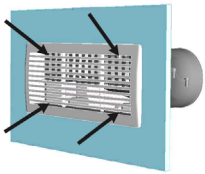
- Connection box 400 SLIM: 85 x 36 mm



Fixing the connection box

Use the wing nuts to secure the connection box to the clips, then use the bung to block the fresh air inlet if it is not being used.



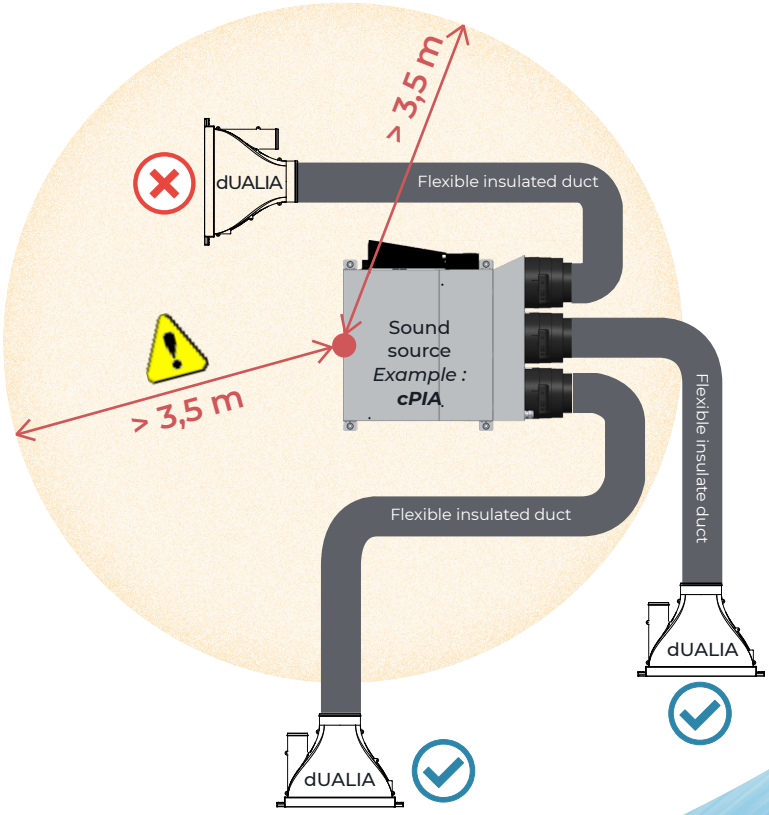


Fixing the grid

Use the 4 x M4 screws to secure the grid on the side of the room in question.

Installation method

The dUALIA diffuser must be installed at a distance of more than a radius of 3.5 metres from the sound source so that it does not transmit residual noise from the source into the air-conditioned room *(see diagram below).*



CE

With a view to constantly improving the quality of its products, EUREVIA reserves the right to modify the characteristics and design of these products without prior notice. The installation and routine maintenance of the equipment described in this manual must only be performed by qualified personnel.

EUREVIA by De Dietrich

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