Made in France



dUALIA

Supply and return air grille with fresh air intake

- Discreet
- 3-in-1 Diffuser
- Ultra-silent
- Quick installation
- Available in 3 sizes

N° document OB1--07K25.EN

EUREVIA by De Dietrich

www.eurevia.com

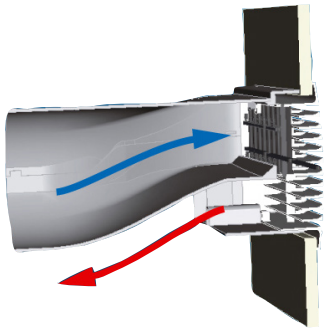
Description

The dUALIA range **simultaneously** allows for the supply of treated air with Coandă effect, injection of fresh air, and extraction of bulk air. Its sophisticated and discreet design, low noise levels, and ease of installation and maintenance make it particularly suitable for residential, hotel, and tertiary sector.



Features

- The aerodynamic shape of the plenum significantly reduces noise levels and pressure drops. The patented plenum mounting system on the drywall ensures easy and quick installation.
- The grille has oblong fixings allowing for a 5° horizontal adjustment relative to the ceiling. Its ABS composition ensures flexibility and perfect fit against the drywall.
- Rear-mounted deflectors enable lateral correction of the airflow.
- As standard, the micro-porous front (RAL 9016) is paintable to ensure optimal aesthetic integration.



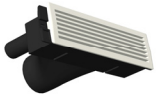
Optimized airflow for maximum Coandă effect and minimal noise level.

Selection Table

Quick selection table NR [1] < 28 dB (A)				
Models	Mini / Maxi Air flow (m^3/h)	Mini / Maxi Covered area (m^2) [2]	Mini / Maxi Air throw (m) [3]	References
dUALIA slim 400	100 / 200	8 / 16	3 / 5,9	EUADKB 040S
dUALIA 400	150 / 300	12 / 24	3,6 / 6	EUADKB 0400
dUALIA 700	250 / 500	20 / 40	4,4 / 8,8	EUADKB 0700

Selection Assumptions :

(1) Acoustic comfort level « Noise Rating » of the complete diffuser and plenum, considering a room attenuation of 6 dB.
(2) Covered area calculated with an air renewal rate of 5 vol / h and a ceiling height of 2.5 m.
(3) Cold air throw (ΔT = - 8° K) of the complete diffuser and plenum, given for an air velocity greater than 0.25 m / s.



dUALIA slim 400



dUALIA 400



dUALIA 700

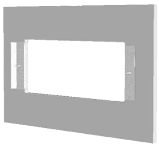
Carbon Footprint

The plastic injection is carried out **in France** using fully recyclable materials, with 80 % made from **recycled content**.

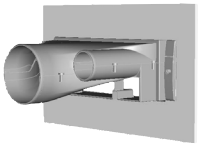
OB1--07K25.EN - Document sous réserve de modification sans préavis

Patented Quick Installation

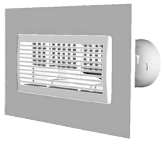
Air flow	dUALIA SLIM 400		dUALIA 400		dUALIA 700	
100	30	21				
	3,0	5				
150	33	21	31	22		
	4,4	9	3,6	5		
200	36	24	33	23		
	5,9	14	4,8	8		
250	39	28	35	24	28	21
	7,4	20	6,0	12	4,4	3
300	43	33	38	27	29	22
	8,9	27	7,2	16	5,3	5
350	46	37	41	31	31	23
	10,4	36	8,3	21	6,2	7
400			44	34	33	24
			9,5	27	7,1	10
450			47	38	36	24
			10,7	35	8,0	13
500					38	26
					8,8	16
550					40	29
					9,7	20
600					42	31
					10,6	24
650					45	34
					11,5	28
700					47	37
					12,4	33



Cut the drywall and insert the clips



Attach the plenum to the clips



Attach the grille to the plenum

Accessories :

Each plenum is delivered with 1 cap to block the fresh air intake if needed.

Each grille is supplied with :

- 4 speed screws to fix the grille to the plenum
- 2 clips to be inserted into a 13 mm thick drywall
- 2 spacer adapters for use with 10 mm thick drywall
- 2 wing nuts to tighten the plenum onto the clips

Fresh air connection :

Recommended maximum airflow : 75 m^3 / h.

Comply with the installation requirements for fresh air regulation modules.

NR < 24
24 ≤ NR ≤ 30
NR > 30

Lw	NR
X	Pt

*Lw (dB (A)) * : Sound power level of the complete diffuser and plenum, measured according to ISO 3741 without room attenuation.*

*NR (dB (A)) * : Acoustic comfort level « Noise Rating » of the complete diffuser and plenum, considering a room attenuation of 6 dB.*

*X (m) * : Cold air throw (ΔT = -8 K) of the complete diffuser and plenum, given for an air velocity greater than 0.25 m / s.*

*Pt (Pa) * : Airflow pressure drop of the complete diffuser and plenum.*

** Measurements taken without fresh air supply.*

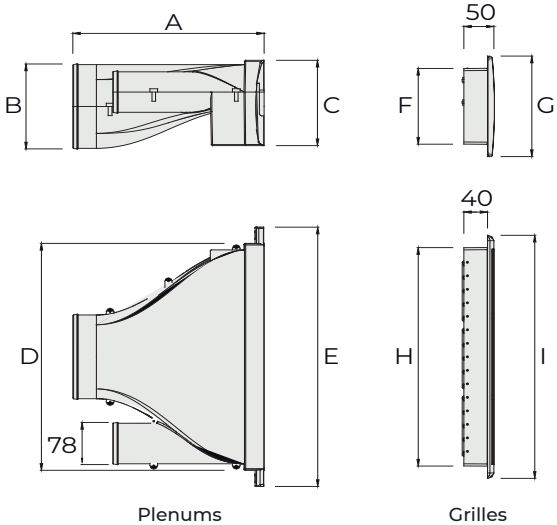
Dimensions & Weights

Models	A	B	C	D	E	F	G	H	I
	mm								
dUALIA slim 400	265	123	106	420	478	90	120	405	450
dUALIA 400	325	158	158	420	478	140	185	405	450
dUALIA 700	415	198	158	720	778	140	185	705	750

Wall Opening (L x H) :

For dUALIA slim 400 : 410 x 108 mm
For dUALIA 400 : 410 x 160 mm
For dUALIA 700 : 710 x 160 mm

Models	Grilles	Plenums
	kg	
dUALIA slim 400	0.4	1.0
dUALIA 400	0.5	1.3
dUALIA 700	1.0	2.2



Plenums Grilles

OB1--07K25.EN - Document sous réserve de modification sans préavis

dUALIA

Supply and return air grille and plenum with fresh air intake

Sectors of application :

Collective buildings
Social residences
Tourist residences
Senior residences and Nursing homes
Hotels
Individual housing

oZONE cZONE iROOM

EUREVIA by De Dietrich

www.eurevia.com

ZI Athélia V, 369 Avenue des Grenadiers, 13600 La Ciotat, FRANCE
Tél : + 33 (0) 4 42 70 70 30 Email : info@eurevia.com

N° document OB1--07K25.EN