



Serie **DGV_TR**



MOTORIZED SQUARE SWIRL
DIFFUSER WITH VARIABLE
GEOMETRY



(+34) 91 3235805
(+34) 91 3235703



www.difair.es



info@difair.es



Avd. del Cno de lo Cortao, 28A, Nave 1
28703 San Sebastián de los Reyes, Madrid.

MOTORIZED SQUARE SWIRL DIFFUSER WITH VARIABLE GEOMETRY

SERIE DGV_TR



DESCRIPTION

Motorized square swirl diffuser with variable geometry, made of aluminum with steel blades and finished with epoxy paint. It includes models ranging from Ø200 to Ø315, and its movable blades are adjusted simultaneously by the built-in servomotor between 0° (fully open) and 90° (fully closed) to control temperature and airflow.

FINISH

- **White-LACQUERED** Steel Diffuser.
- On request, it can be manufactured in other colors from the **RAL** color chart.

FIXING SYSTEM

- Directly into the duct or via a coupling sleeve.

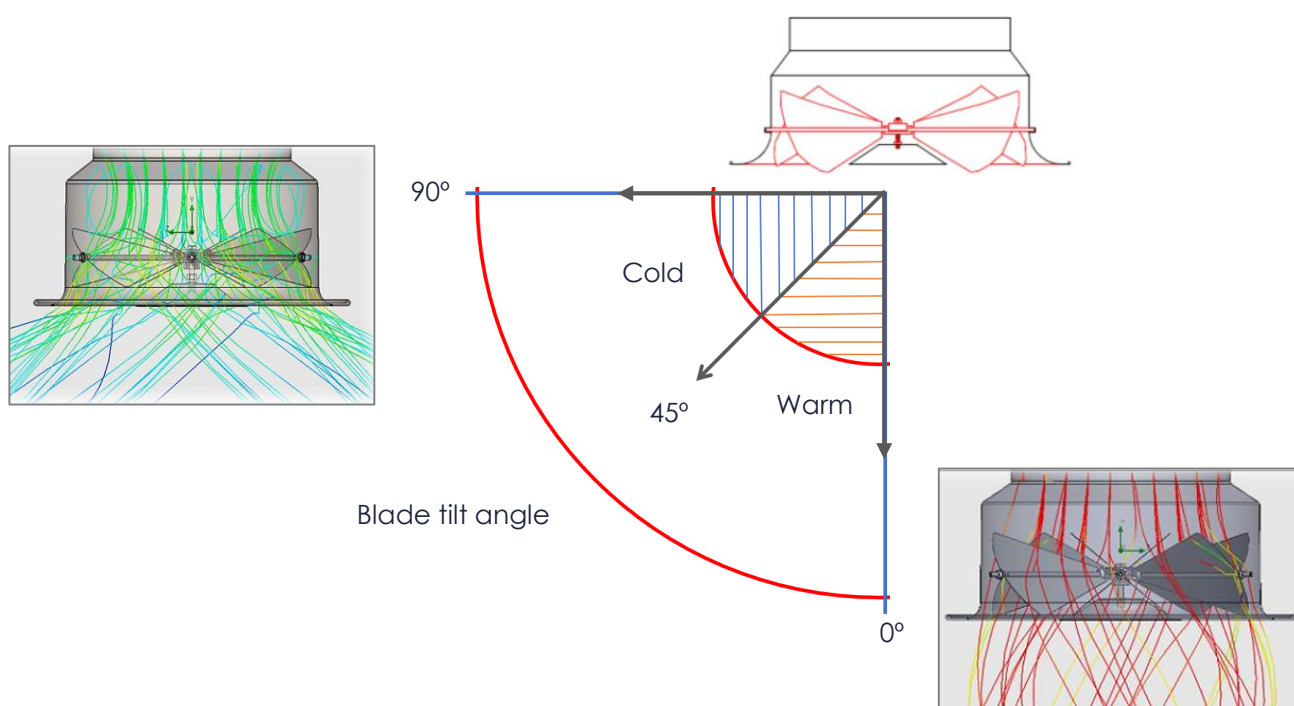
MOTORIZED SQUARE SWIRL DIFFUSER WITH VARIABLE GEOMETRY SERIE DGV_TR

ACCESSORIES

- Connection plate plenum with adjustment and equalizing plate.

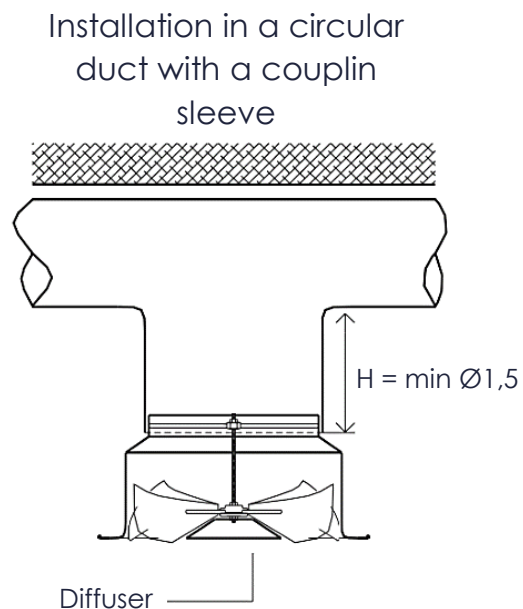
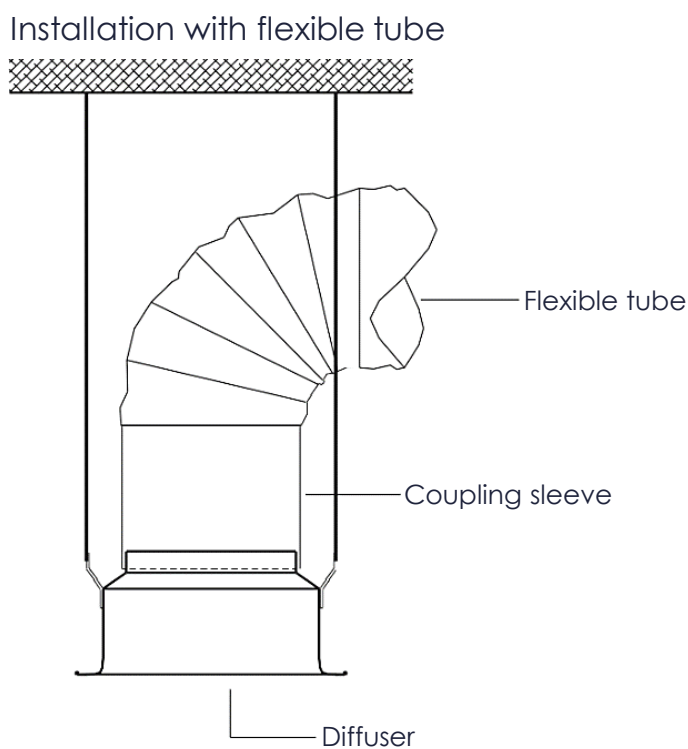
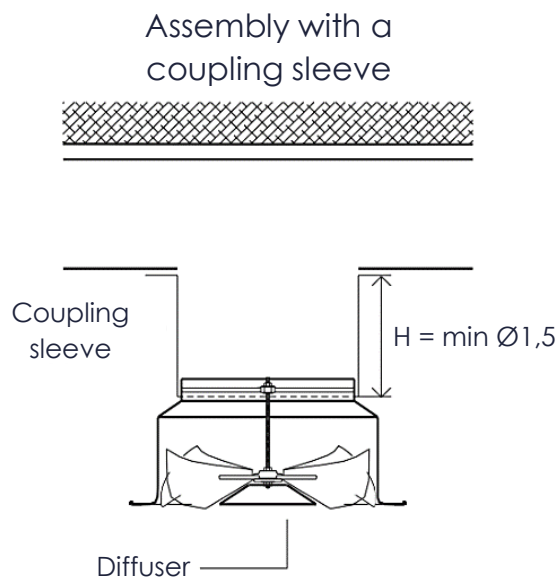
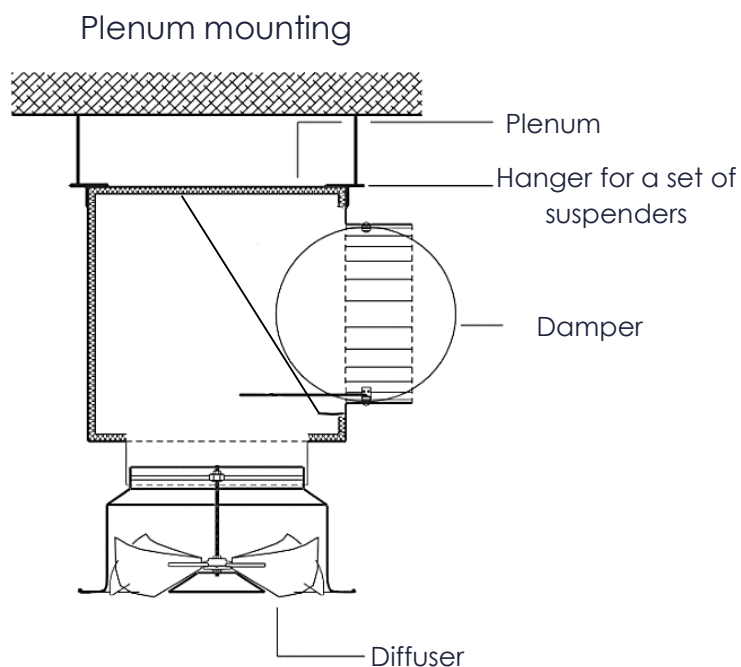
FEATURES

Depending on the slat angle setting, you can get a stream of warm air (angle from 0° to 45°) or a stream of cold air (angle from 45° to 90°).



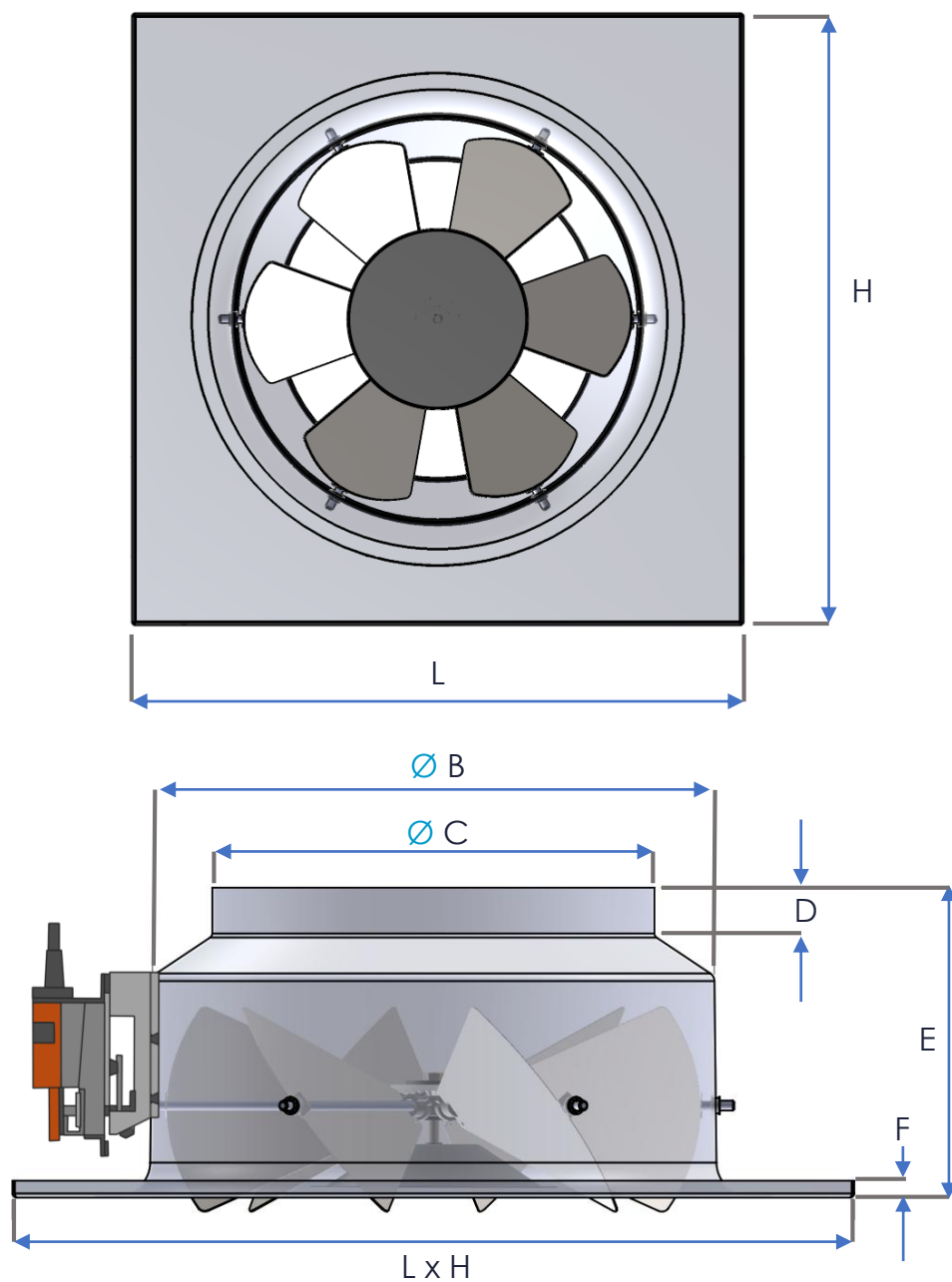
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INSTALLATION



MOTORIZED SQUARE SWIRL DIFFUSER WITH VARIABLE GEOMETRY SERIE DGV_TR

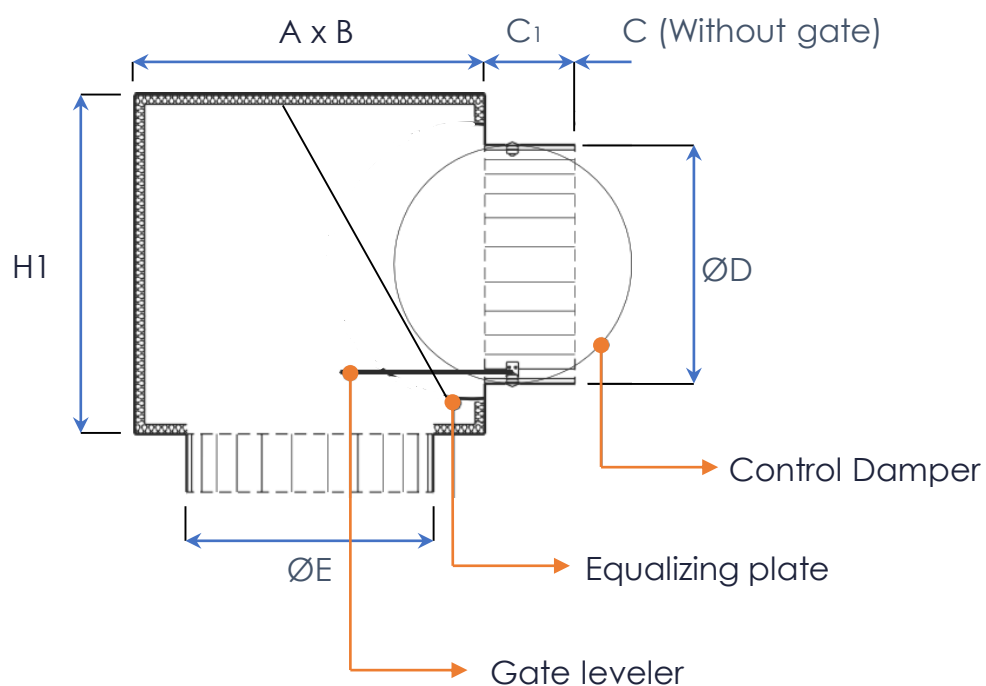
DIMENSIONES



Nominal Size	L x H	$\varnothing B$	$\varnothing C$	D	E	F
200	596	248	198	40	180	12
250	596	298	248	40	205	12
315	596	398	313	40	230	12

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PLENUM



PLENUM DIMENSIONS TABLE

PLENUM	A x B	C	C ₁	ØD	ØE	H1	N° Parts
PLE200	300x300	60	60	196	202	300	1
PLE250	350x350	60	60	246	252	350	1
PLE315	400x400	60	60	311	317	400	1

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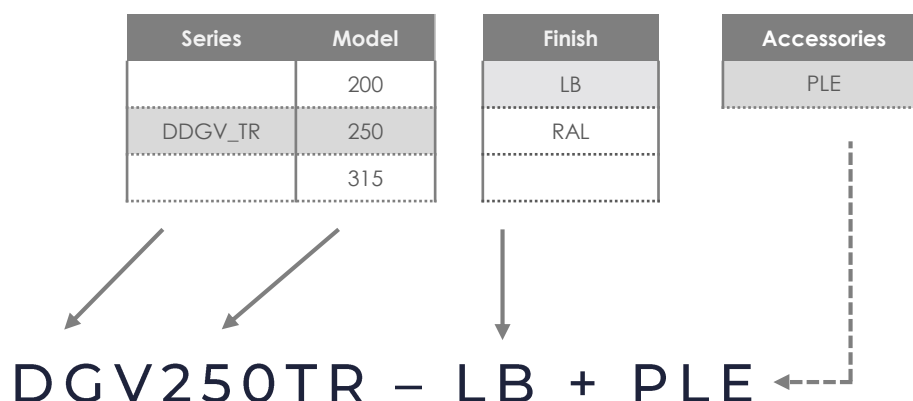
QUICK SELECTION TABLE

Model	Flow (Q) m ³ /h	Mounting Height H (m)	Low Temperature				High Temperature			
			ΔT (°C)	Blade angle (°)	Static pressure ΔP (mm.ca)	NR dB(A)	ΔT (°C)	Blade angle (°)	Static pressure ΔP (mm.ca)	NR dB(A)
200	300	4	-10	47	0,73	34	10	35	0,48	32
250	400	4	-10	47	0,51	30	10	34	0,32	28
200	400	4,5	-10	48	1,36	43	10	36	0,87	41
250	500	4,5	-10	47	0,8	37	10	34	0,51	35
315	600	4,5	-10	43	0,39	26	10	32	0,28	25
250	600	6	-10	44	1,02	42	10	22	0,56	39
315	800	6	-10	41	0,65	34	10	27	0,44	33
315	1200	6	-10	47	1,84	49	10	39	1,36	48

- Values calculated based on an occupied zone height of 1.8 m. Terminal speed V: 0.25 m/s.
Unattenuated noise level in the room in NR (dBA).

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GRAPHICAL DESCRIPTION



DESCRIPTION

SERIES

- DGV_TR: Motorized square swirl diffuser with variable geometry.

MODEL

- DGV200TR: Motorized square swirl diffuser with variable geometry, model 200.

FINISH

- LB: White lacquer finish.

ACCESSORIES (optional)

- PLE200: Plenum for Model 200 square diffuser with variable geometry.

Order example: DGV200TR-LB+PLE200

- To order a motorized square swirl diffuser with variable geometry, model 200, painted white, with a connection plenum, you should request:

Order	Description
1 Diffuser DGV200TR-LB	Motorized square swirl diffuser with variable geometry, model 200, painted white.
1 Plenum PLE200	Plenum for Model 200 square diffuser with variable geometry.

Order example: DGV315TR-LB

- To order a motorized square swirl diffuser with variable geometry, model 315, painted white, you should request:

Order	Description
1 Diffuser DGV315TR-LB	Motorized square swirl diffuser with variable geometry, model 315, painted white.



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