



Serie DGV



SQUARE SWIRL DIFFUSER WITH VARIABLE GEOMETRY



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SQUARE DIFFUSER WITH VARIABLE GEOMETRY **SERIE DGV**



DESCRIPTION

Square swirl diffuser with variable geometry, constructed of aluminum with steel blades and finished with epoxy paint. It includes models ranging from **Ø160** to **Ø315**, and its movable blades can be manually adjusted between 0° (fully open) and 90° (fully closed) to control temperature and airflow.

FINISH

- White-Lacquered 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.

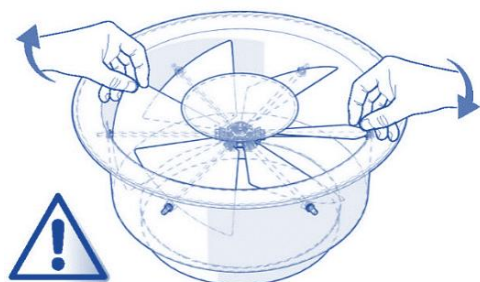
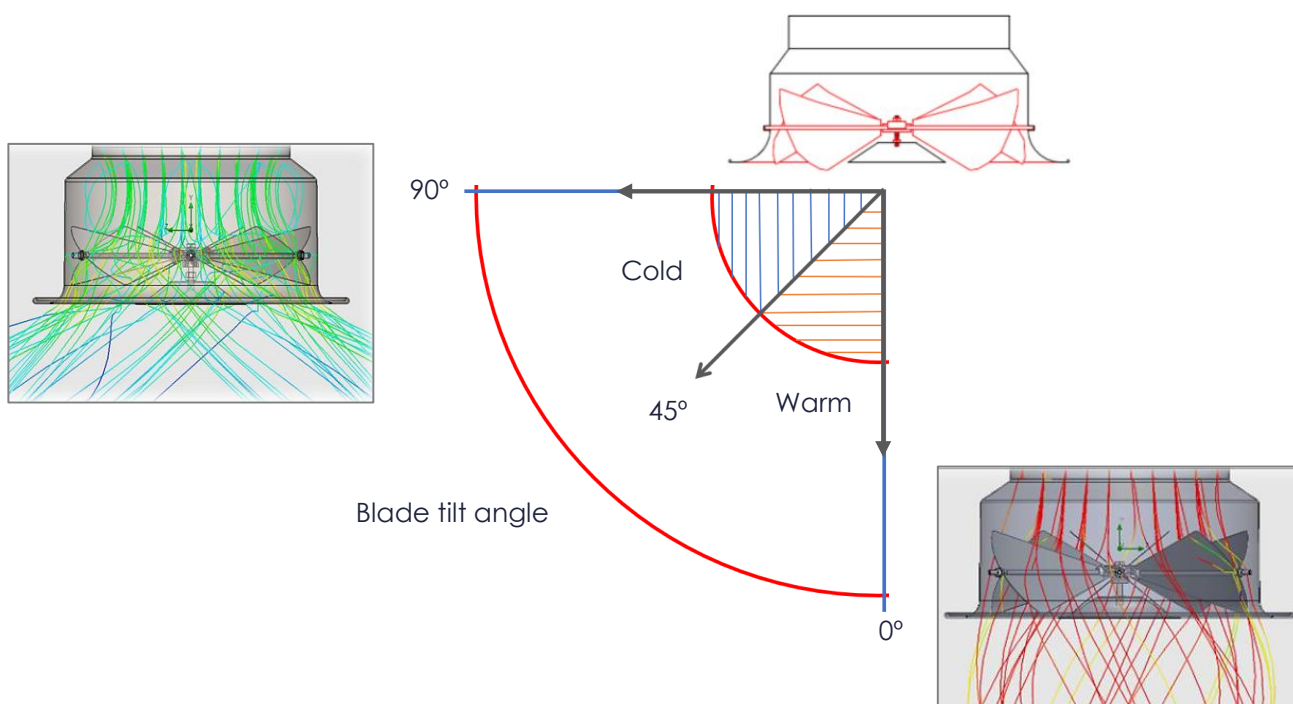
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ACCESSORIES

- Adjustable sheet metal connection **plenum** with equalizing plate.

FEATURES

Depending on the blade 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°)

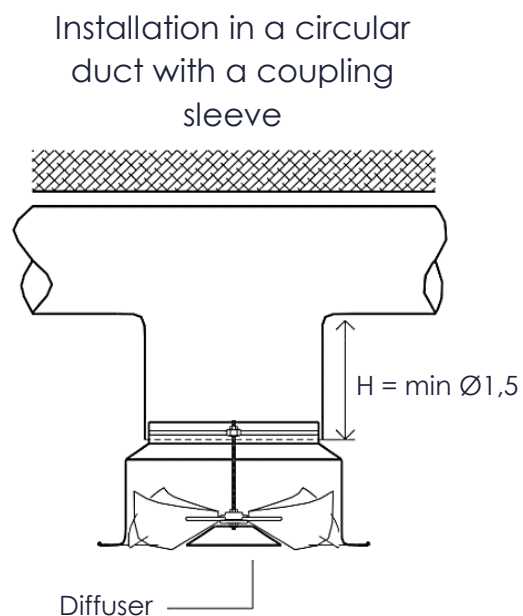
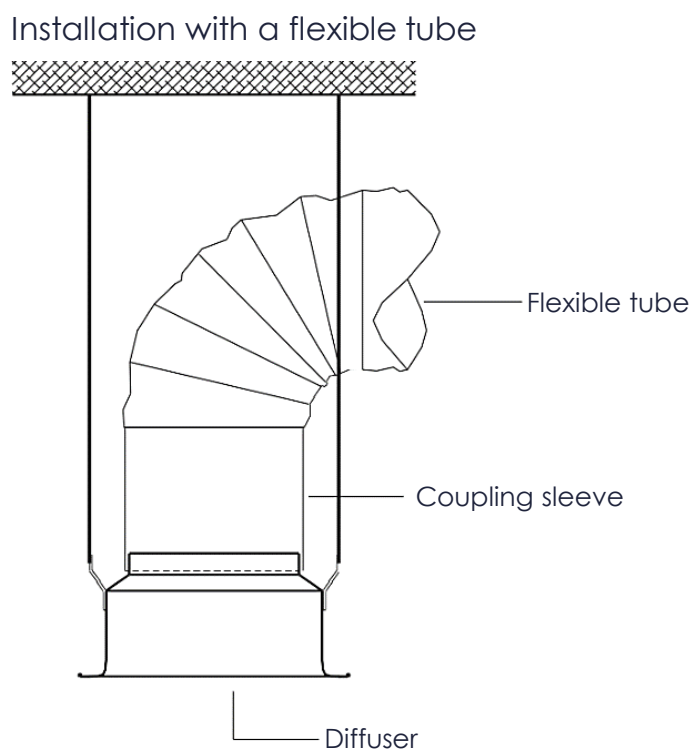
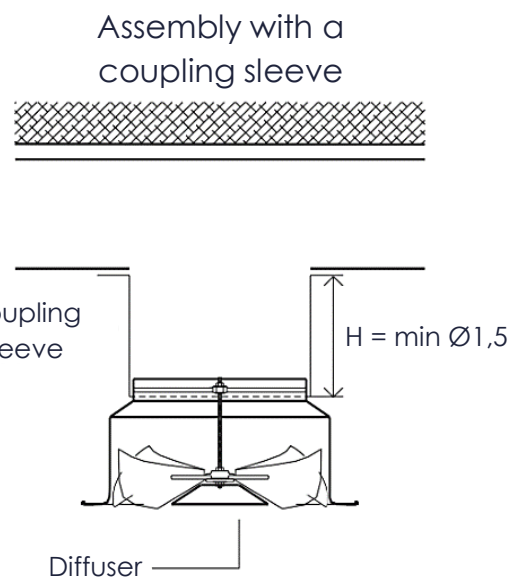
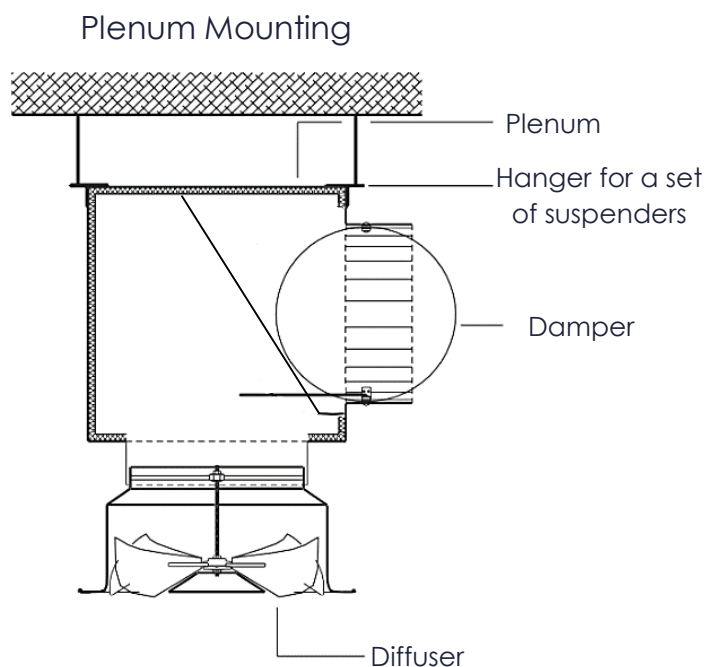


WARNING

The blade angle should be adjusted using both hands at the same time, as shown in the image.

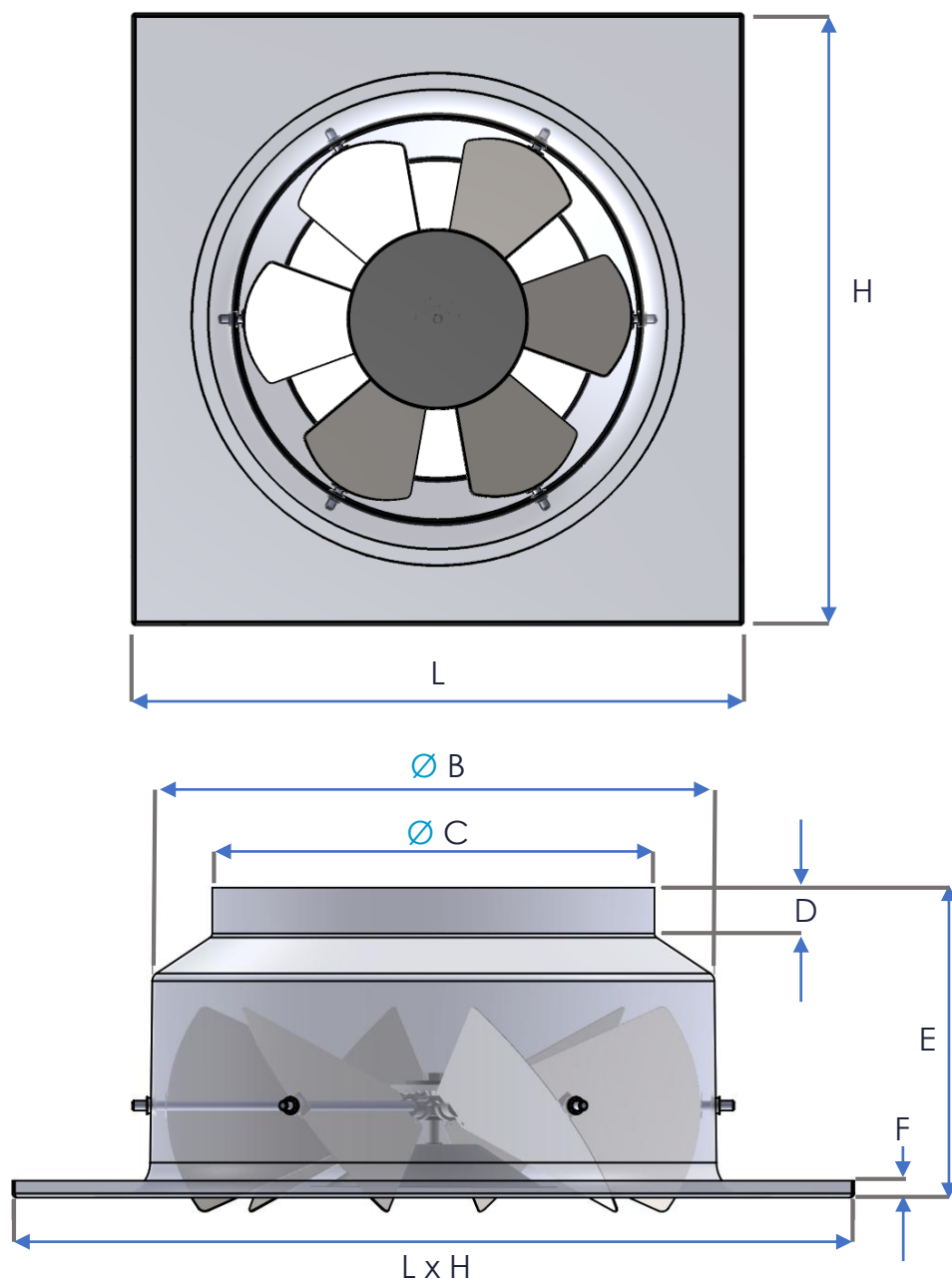
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INSTALLATION



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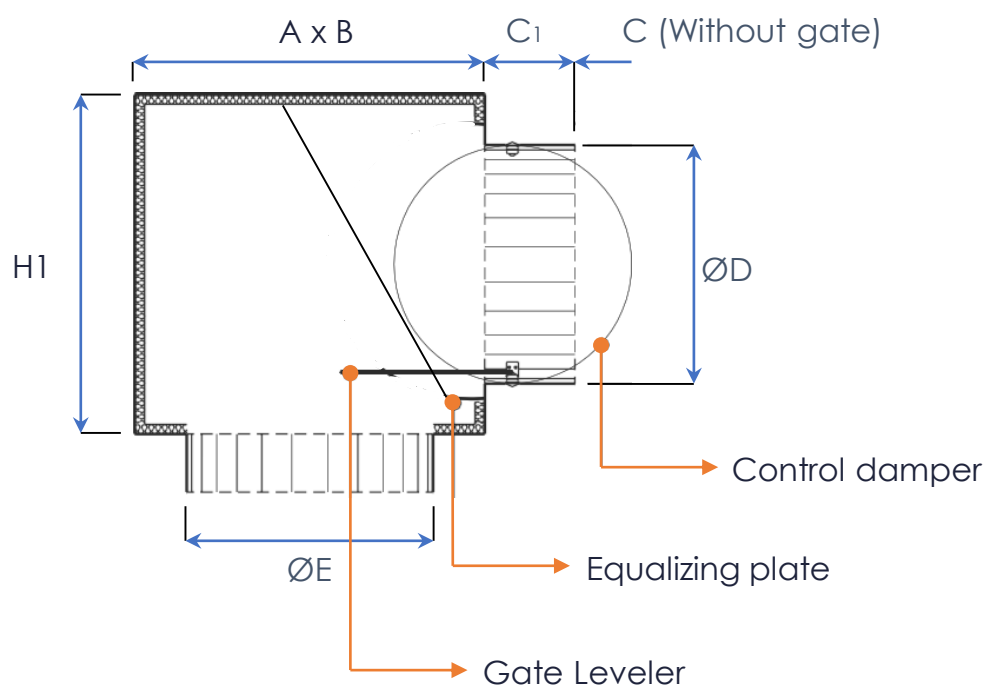
DIMENSIONS



Nominal Size	L x H	$\varnothing B$	$\varnothing C$	D	E	F
160	596	198	158	40	155	12
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	AxB	C	C ₁	ØD	ØE	H1	N° Parts
PLE160	250x250	60	60	156	162	250	1
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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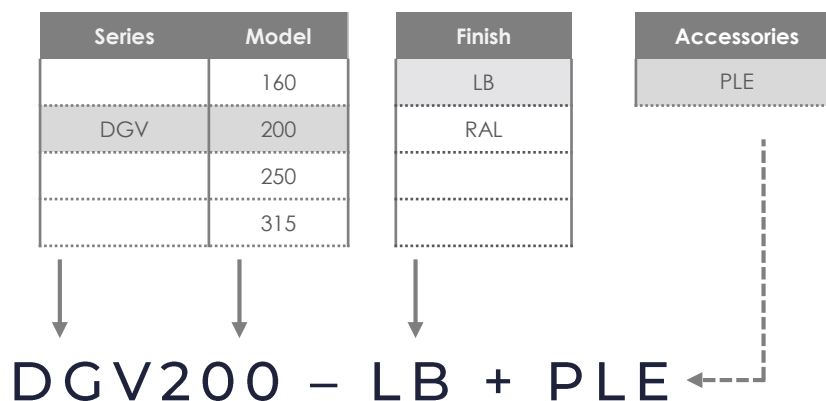
QUICK SELECTION TABLE

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)
160	200	4	-10	43	0,65	36	10	34	0,48	34
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
160	300	4,5	-10	46	1,64	48	10	37	1,18	47
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_t : 0.25 m/s. Unattenuated noise level in the room in **NR (dBA)**.

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GRAPHICAL DESCRIPTION



DESCRIPTION

SERIES

- DGV: Square swirl diffuser with variable geometry.

MODEL

- DGV200: Square swirl diffuser with variable geometry, Model 200.

FINISH

- LB: White lacquer finish.

ACCESSORIES (optional)

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

Order example: DGV200-LB+PLE200

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

Order	Description
1 Diffuser DGV200PL-LB	Square swirl diffuser with variable geometry, model 200, painted white.
1 Plenum PLE200	Plenum for square diffuser with variable geometry, Model 200.

Order example: DGV315-LB

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

Order	Description
1 Diffuser DGV315-LB	square swirl diffuser with variable geometry, model 315, painted white.



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