



Serie DGVC



CIRCULAR SWIRL DIFFUSER
WITH VARIABLE GEOMETRY



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CIRCULAR SWIRL DIFFUSER WITH VARIABLE GEOMETRY

SERIE DGVC



DESCRIPTION

Circular swirl diffuser with variable geometry, constructed of aluminum with steel blades and finished with epoxy paint. It includes models ranging from **Ø160** to **Ø800**, 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.

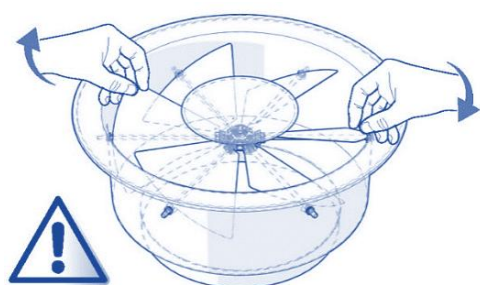
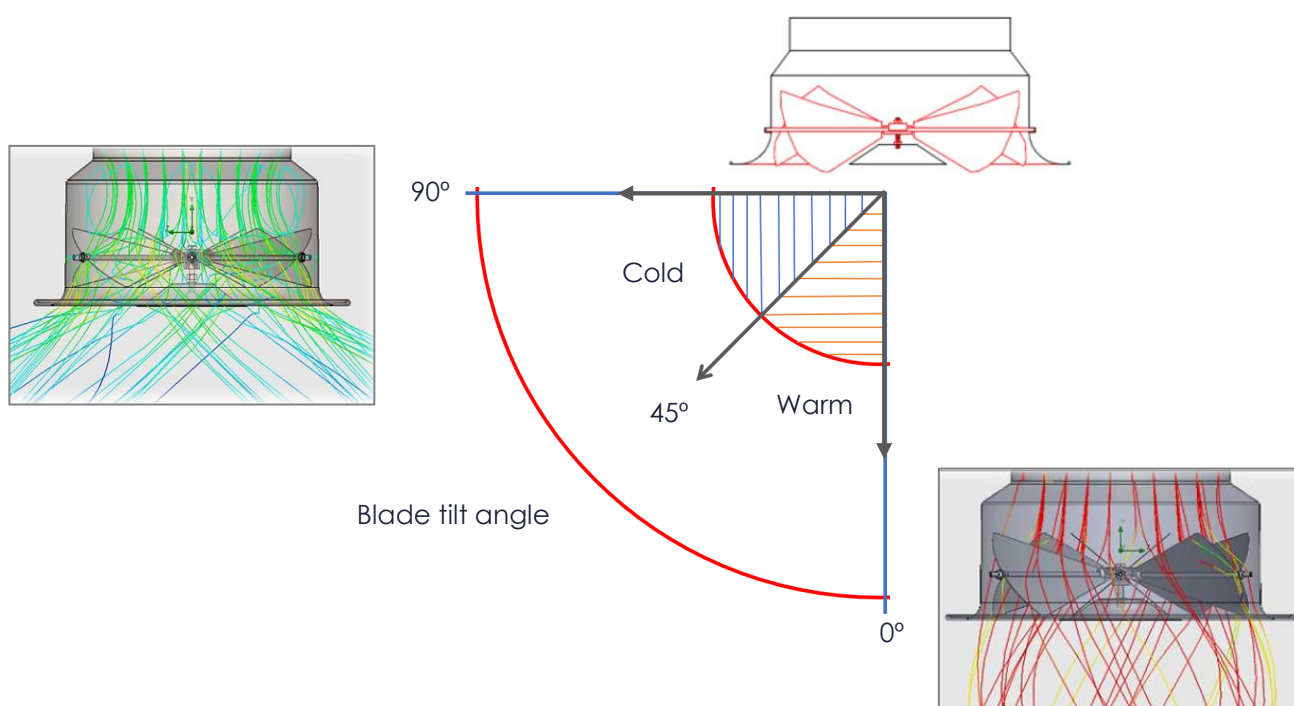
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ACCESSORIES

- Connection plate plenum with damper and 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°)

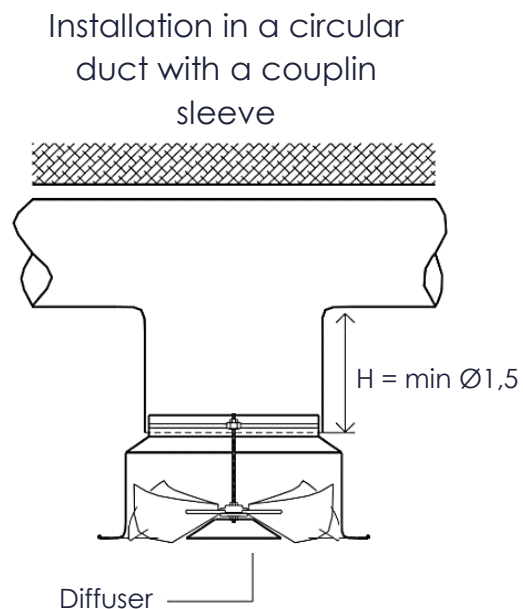
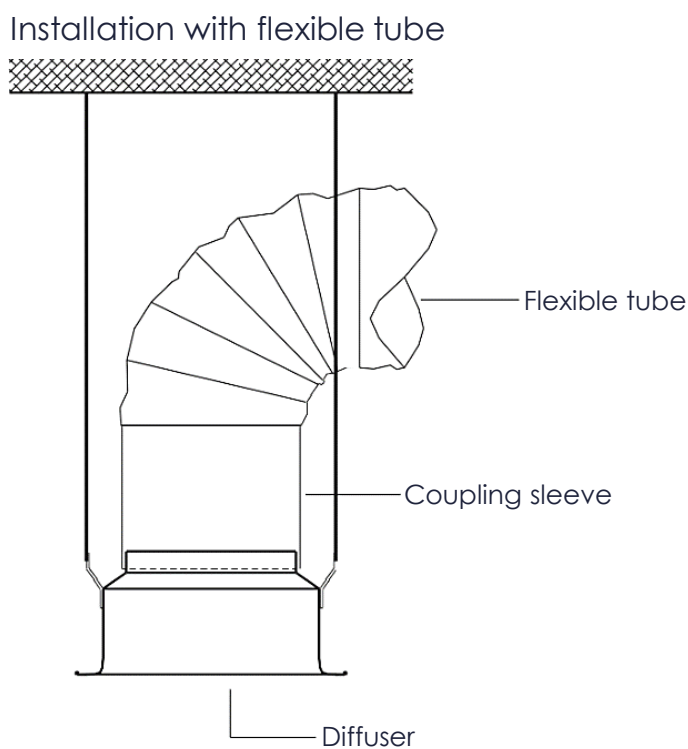
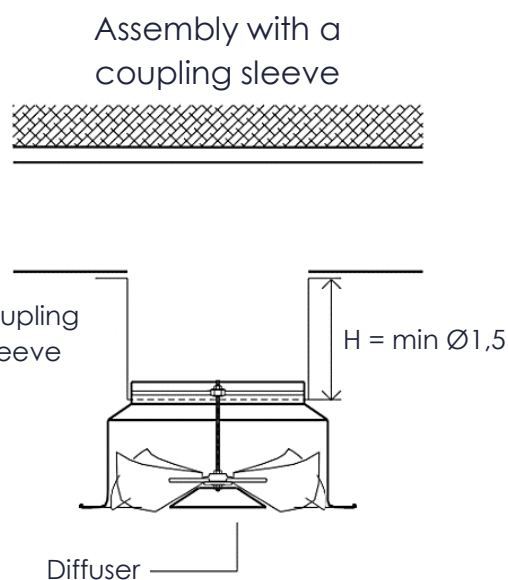
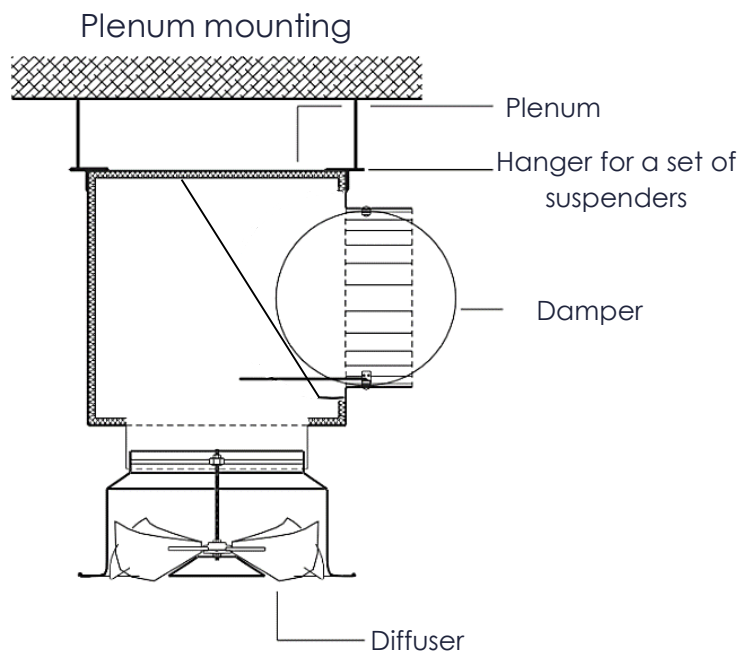


WARNING

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

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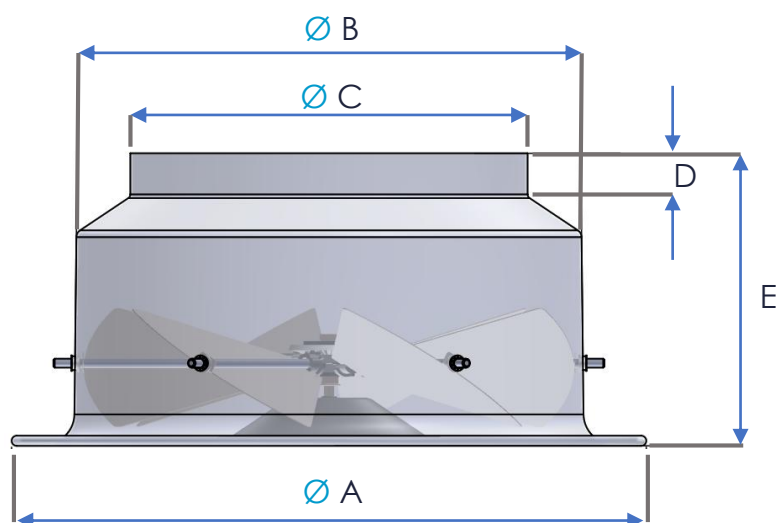
INSTALLATION



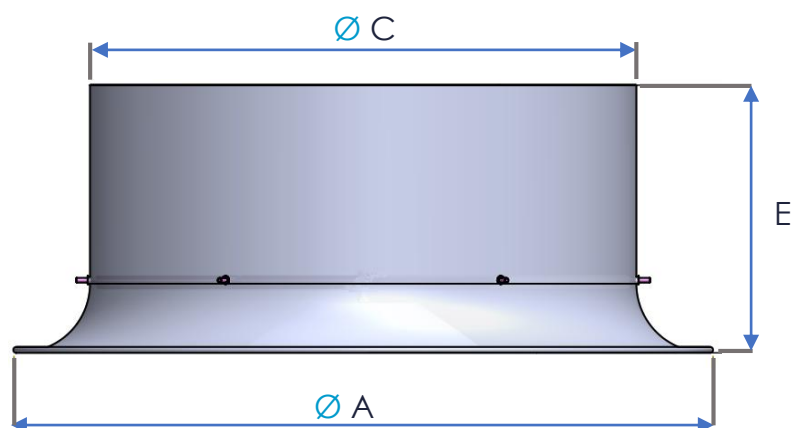
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DIMENSIONS

DGVC160/630



DGVC800

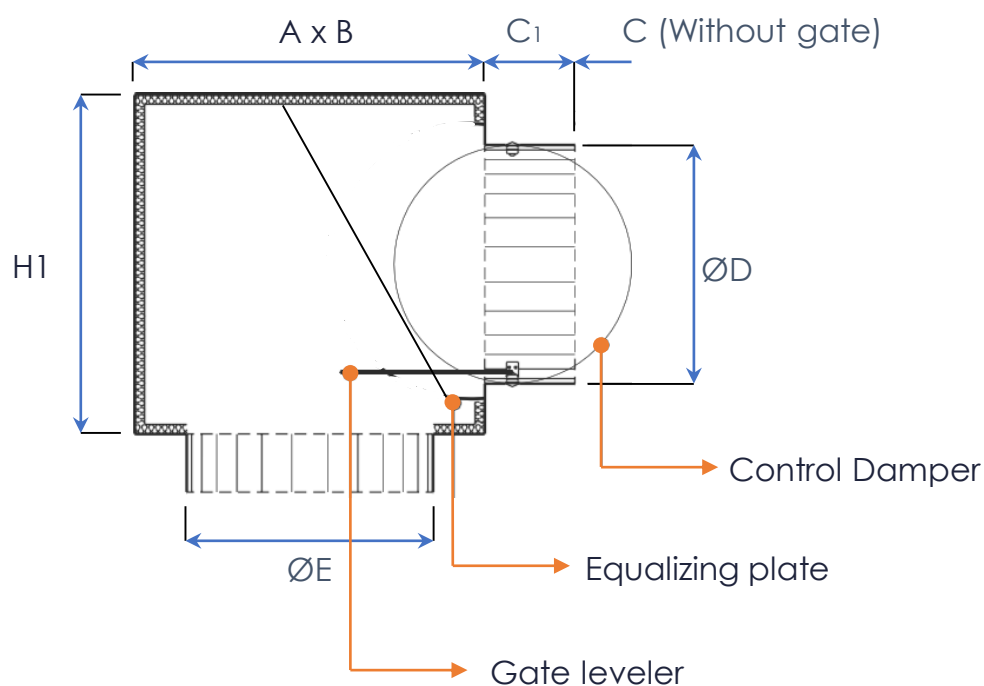


Nominal Size	ØA	ØB	ØC	D	E	ØR
160	300	198	158	40	155	260
200	350	248	198	40	180	310
250	400	298	248	40	205	350
315	500	398	313	40	230	450
400	615	465	398	60	270	555
500	353	565	498	60	320	720
630	398	665	628	80	390	855
800	1020	---	798	---	390	960

Ø R = Hole in the ceiling

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Plenum



PLENUM DIMENSIONS TABLE

PLENUM	A x B	C	C ₁	ØD	ØE	H1	N° Parts
PL160	250x250	60	60	156	162	250	1
PL200	300x300	60	60	196	202	300	1
PL250	350x350	60	60	246	252	350	1
PL315	400x400	60	60	311	317	400	1
PL400	500x500	90	90	396	402	500	1
PL500	600x600	100	100	496	503	600	1
PL630	730x730	100	100	600	633	730	1
PL800	900x900	90	90	396x2	803	900	2

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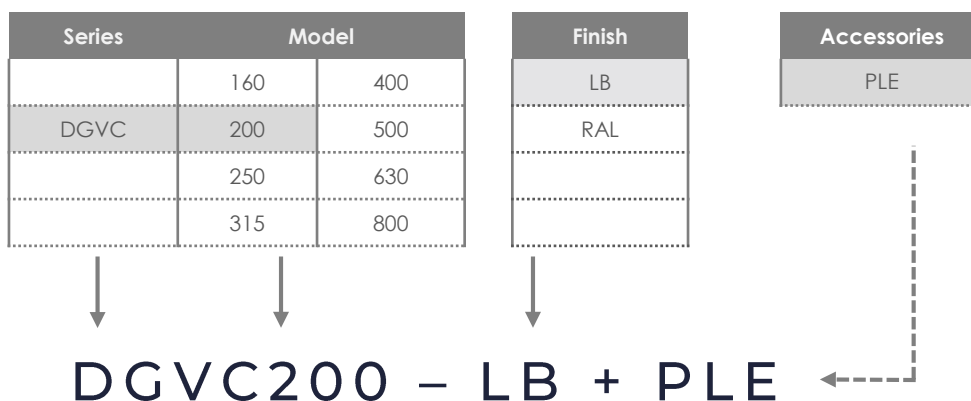
QUICK SELECTION TABLE

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
400	1500	6	-10	43	0,96	42	10	34	0,72	41
400	1800	6	-10	46	1,56	48	10	39	1,2	48
500	2000	6	-10	51	0,97	41	10	33	0,5	36
400	2500	8	-10	45	2,89	58	10	38	2,24	57
500	3000	8	-10	51	2,18	53	10	35	1,18	49
500	3500	8	-10	53	3,3	59	10	39	1,81	54
630	3500	8	-10	50	1,15	41	10	28	0,55	36
630	4000	8	-10	52	1,66	47	10	33	0,8	41
630	5000	8	-10	54	2,89	55	10	39	1,5	50
800	6000	8	-10	52	1,31	45	10	27	0,55	38
800	7000	8	-10	54	1,99	52	10	33	0,87	45
800	8000	8	-10	55	2,75	56	10	37	1,27	50
400	3000	10	-10	43	3,85	63	10	35	2,95	62
500	3500	10	-10	50	2,82	57	10	31	1,44	52
500	4000	10	-10	51	3,88	62	10	35	2,09	57
630	4500	10	-10	50	1,9	49	10	27	0,88	43
630	5500	10	-10	52	3,14	57	10	34	1,56	51
800	6000	10	-10	48	1,08	42	10	11	0,44	36
800	7000	10	-10	51	1,69	49	10	21	0,67	42
800	8000	10	-10	53	2,46	55	10	28	1	47
800	10000	10	-10	55	4,29	63	10	35	1,87	56

- 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

- DGVC: Circular diffuser with variable geometry.

MODEL

- DGVC200: Circular swirl diffuser with variable geometry, model 200.

FINISH

- LB: White lacquer finish.

ACCESSORIES (optional)

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

Order example: DGVC200-LB+PLE200

- To order a circular swirl diffuser with variable geometry, white-lacquered, model 200 and a connection plenum, you should request:

Order	Description
1 Diffuser DGVC200-LB	Circular swirl diffuser with variable geometry, white-lacquered, model 200.
1 Plenum PLE200	Plenum for circular diffuser with variable geometry, Model 200.

Order example: DGVC315-LB

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

Order	Description
1 Diffuser DGVC315-LB	Circular swirl diffuser with variable geometry, white-lacquered, model 315.



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