

Circular swirl diffuser with adjustable blades

CWR-1



Specifications

Circular swirl diffuser with adjustable blades.

Used for supply, exhaust or recirculation in ventilation systems.

Material

Steel plate.
Plastic adjustable blades.

Finish

Standard finish: white RAL9003, with black RAL9005 blades.

Optional finishing:
- different RAL (extra cost)

Note: the blades will be always black RAL9005 finish.

Mounting / Fixing

Monting on ceiling (inside).

Fixing in plenum box with crossbar **BW** (extra cost).

Optional accessories

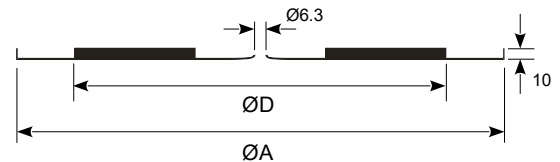
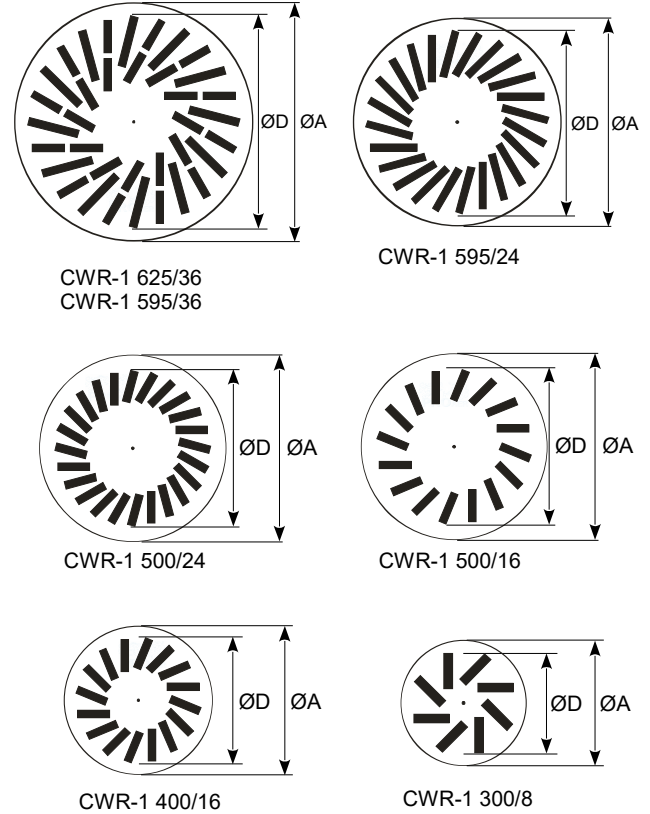
Plenum box – **PL** (extra cost).
Fixing systems.

Order code: **CWR-1 595 / 24** + *

Product code _____
size _____
no. of blades _____
not specified - white RAL9003 (standard)
RALxxxx - optional RAL code _____

* optional accessories

Technical data



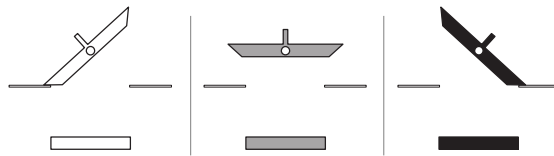
Standard sizes

Dimensions	no. of blades	ØA	ØD
625/36	36	625	560
595/36	36	595	530
595/24	24	595	530
500/24	24	500	430
500/16	16	500	430
400/16	16	400	340
300/8	8	300	240

There are no other sizes available.

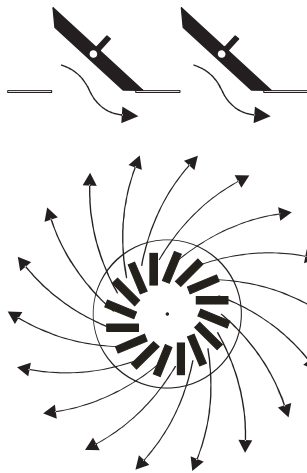
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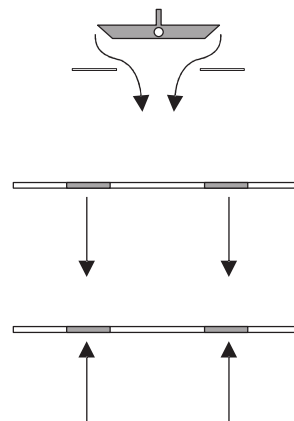


Blade orientation

Flow pattern

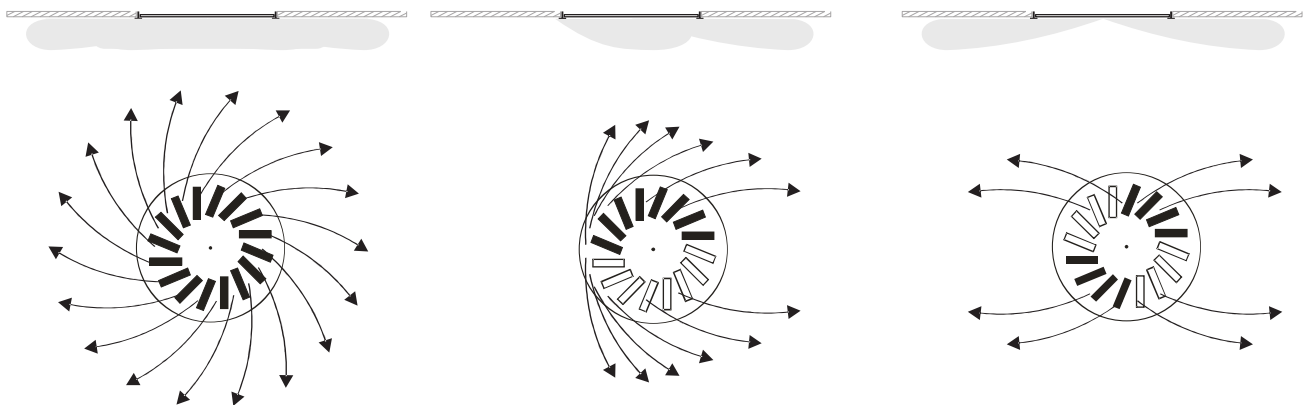


Uniform horizontal diffusion.
Wide dispersion airflow.
Used for supply.



Vertical diffusion.
Used for supply, exhaust
or recirculation.

Flow pattern



Uniform circular diffusion

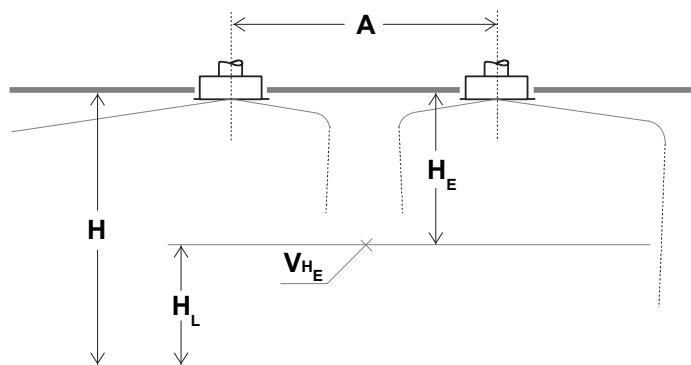
Semicircular diffusion

Bidirectional diffusion

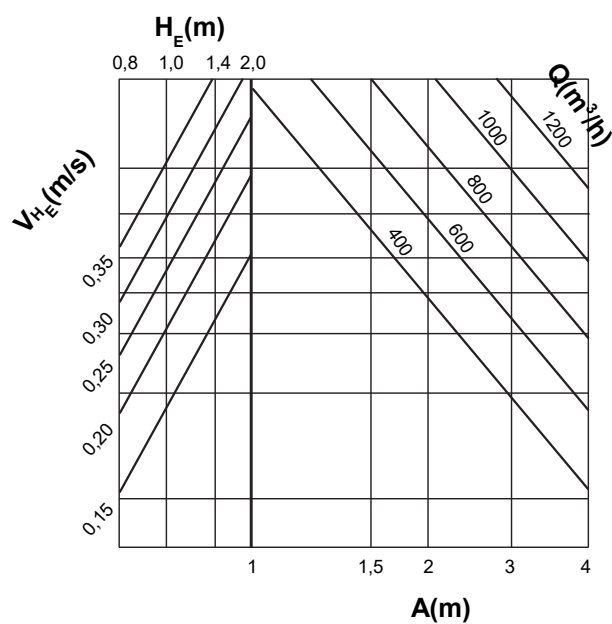
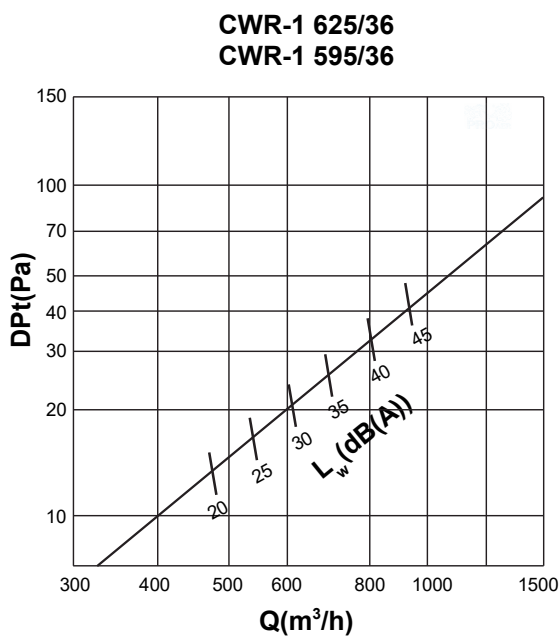
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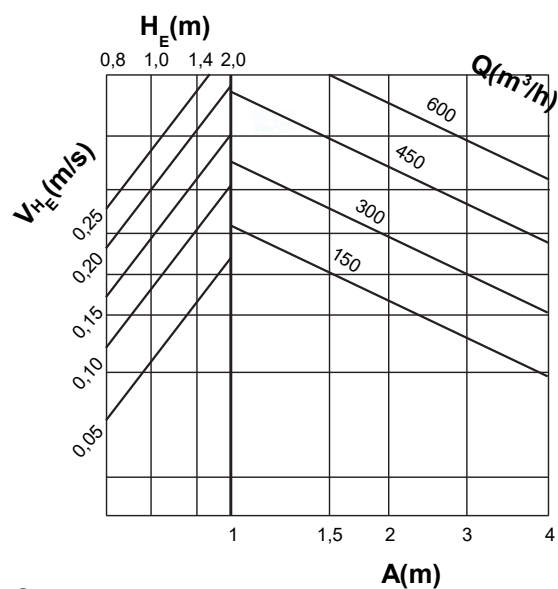
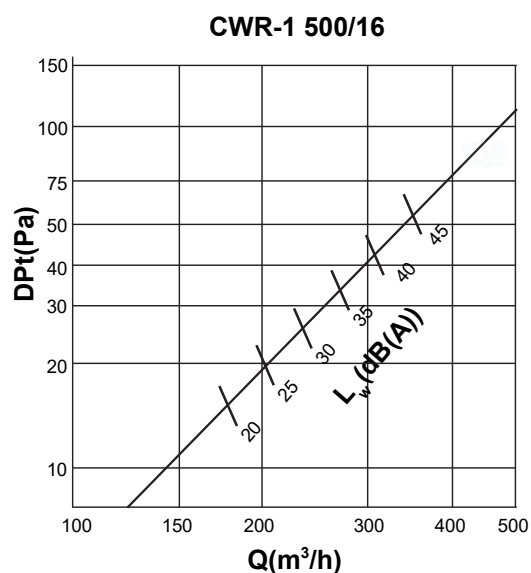
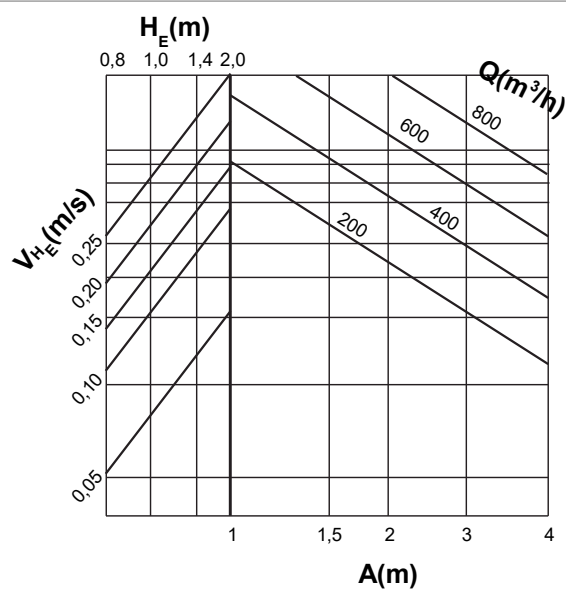
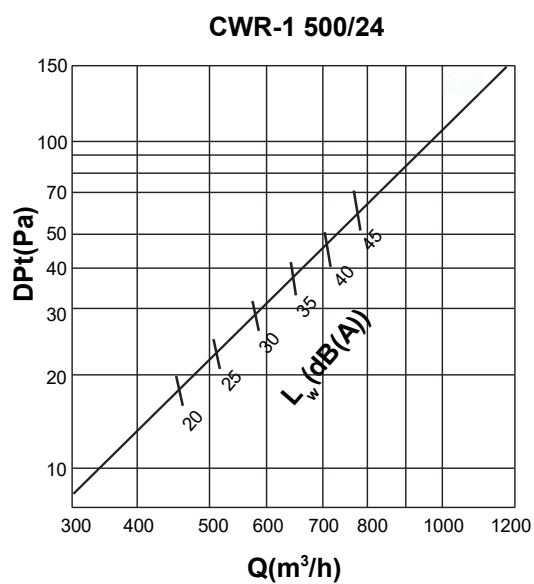
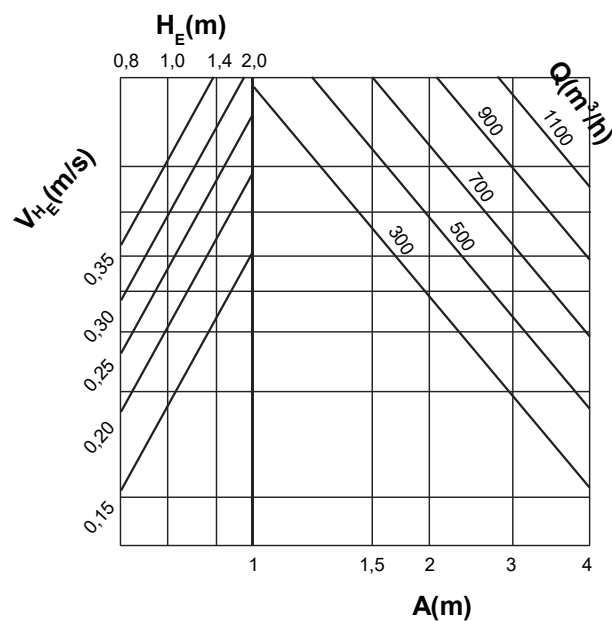
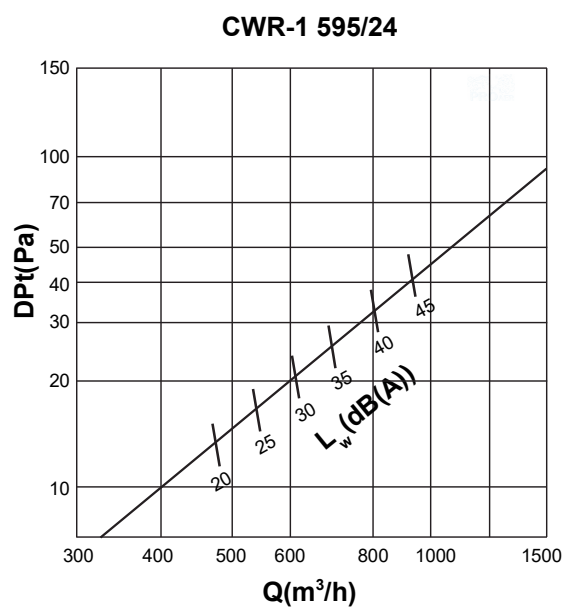


$H = 2,5 \sim 4,0$ m (room height)
 $H_L = 1,8$ m (occupied area)
 $H_E = H - H_L$ (m)
 A = distance (m)
 V_{H_E} = air velocity when entering in zone H_L (m/s)



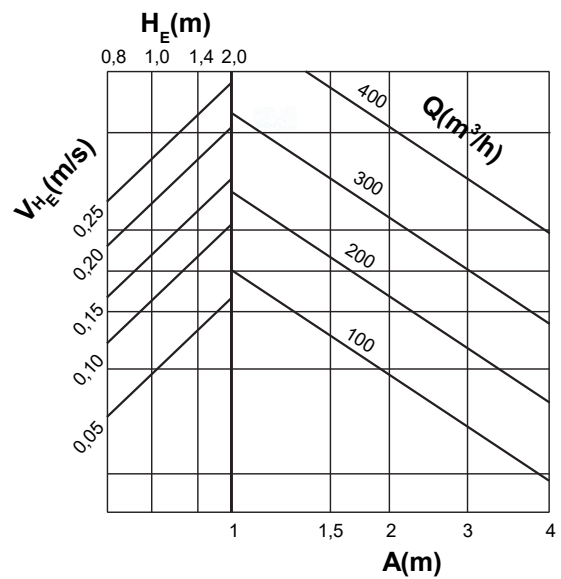
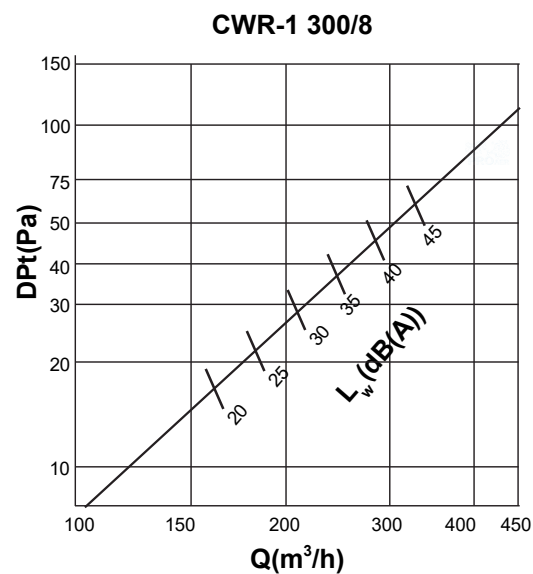
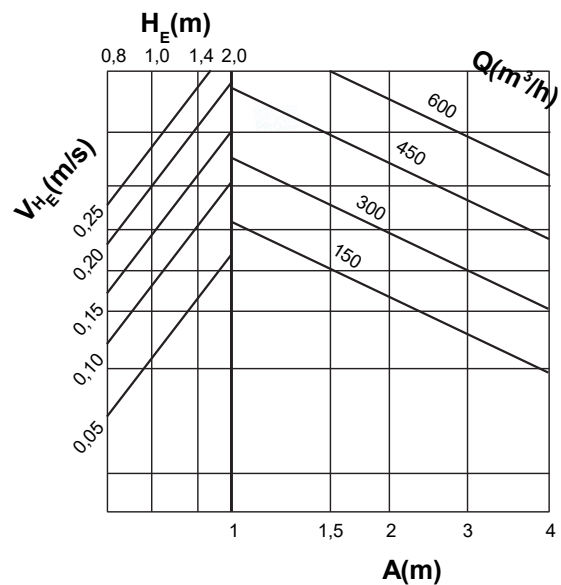
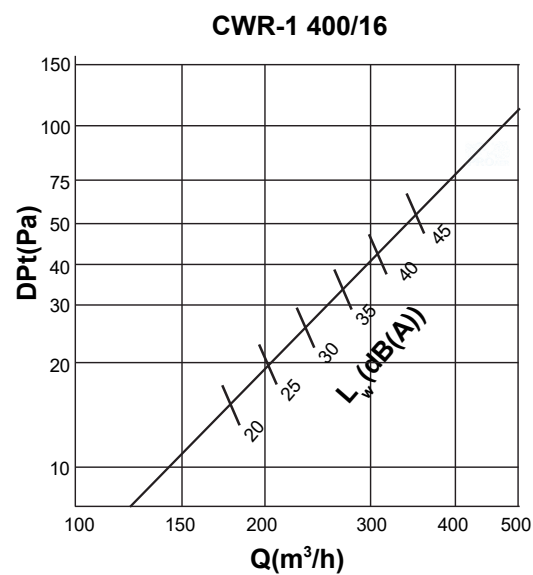
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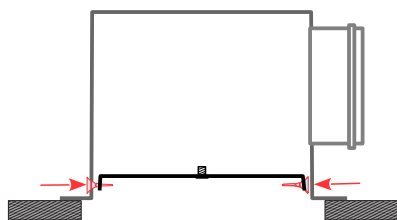


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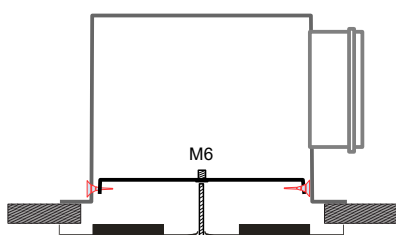
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Mounting

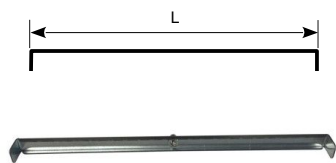
Note: Plenum box **PL** and crossbar **BW** are not included (extra cost).
The crossbars are not delivered mounted in plenum box.



1. Adjust and mount the crossbar **BW** into the plenum box



2. Attach the diffuser with M6x80 screw to the crossbar



Crossbar **BW**

CWR-1	L
625	580
595	550
500	450
400	360
300	260