



WR

Circular diffusers with swirl throws

Product	WR
Construction material	Steel
Finishing	RAL 9010

WR series diffusers are suitable for either ceiling and exposed ductwork installation, providing high induction swirl-shaped air distribution which allows for a quick balancing of the temperatures between supply air and room air temperature.

They have a round front plate with a series of stamp-formed vanes.

This diffuser is made of sheet steel all white painted (RAL 9010); the diffusion collar (only mod. WR 230) is in aluminium, also painted white.

These diffusers come in two versions:

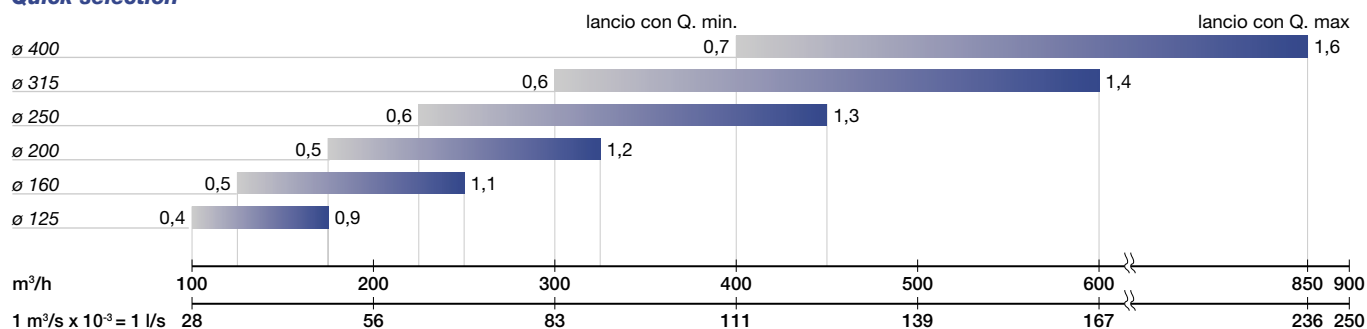
- WR 210: with downward oblique swirl flow,
- WR 230: with diffusion collar, with horizontal swirl flow.

Thanks to their top quality features, these diffusers are suitable for VAV applications, with flow variations from 100% down to 25%.

Application WR series swirl throw diffusers, are applied in all conditioning systems for rooms and buildings of tertiary facilities. Thanks to their top quality features they assure great comfort and are incredibly silent systems, even in the most complex situations.

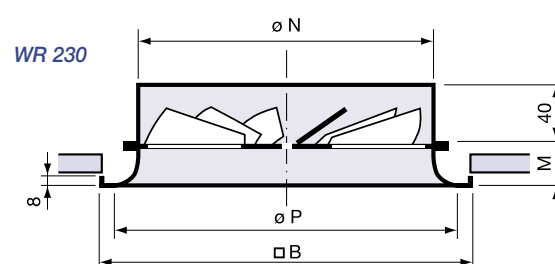
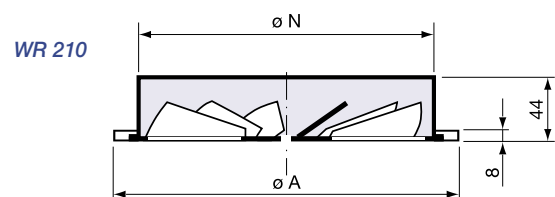
Installation WR 210 and 230 diffusers are installed by using a central screw with mounting bars (GR 003), with plenum or with screws on the neck of the diffuser.

Quick selection



	Q min.	Q max
NR	< 25	< 35
Pressure drop Pa	5	< 35

Size



Size	Sizes (mm)				
	ø N	ø A	ø B	M	ø P
125	123	178	200	25	170
160	158	198	250	25	210
200	198	248	300	25	250
250	248	298	350	25	300
315	313	363	450	35	390
400	398	---	570	60	520

ø P = Minimum opening in false ceiling

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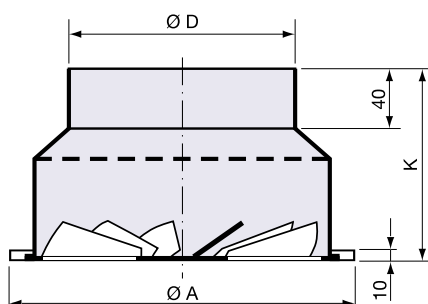
Size

Sizes (mm)

	ø A	ø B	ø D	F	ø J	□ W	K	Q
125	178	200	98	160	125	275	126	155
160	198	250	123	185	160	325	131	160
200	248	300	158	220	200	375	131	160
250	298	350	198	270	250	470	136	165
315	363	450	248	310	315	500	144	180
400	-	570	313	375	400	600	---	240

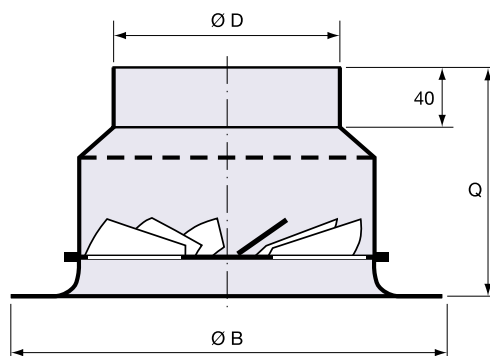
WR 210 T

Diffuser with round reduction Nom. diameter 125 and 160 without perforated plate.



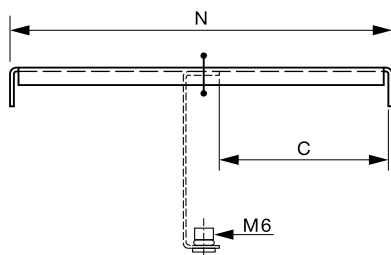
WR 230 T

Diffuser with round reduction Nom. diameter 125 and 160 without perforated plate.



Accessories

Mounting bar GR 003



Nominal size

Sizes (mm)

	N	C
125	123	50
160	158	67,5
200	198	87,5
250	248	112,5
315	313	145
400	398	187,5

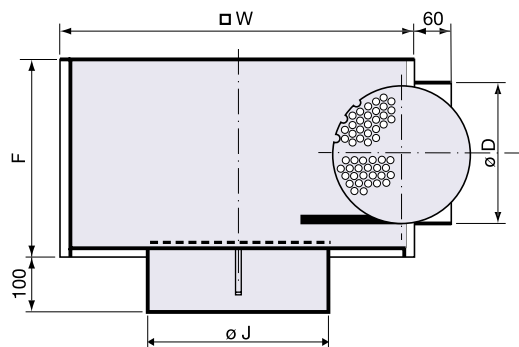
Plenum box WP

Distribution plenum with side connection, with perforated plate, adjustable damper and fixing counter-frame

Plenum box WP-I

Plenum (c.s.d.) with class 1, 6 mm thick, internal polyethylene insulation

Plenum box WP - WP-I



How to order

W R 2 1 0 T

Flar version 1
Version with diffusion collar 3
T With reduction duct