



WS

Square diffusers with swirl throws

Product	WS
Construction material	Steel
Finishing	RAL 9010

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

They have a square 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. WS 230) is in aluminium, also painted white.

These diffusers come in two versions:

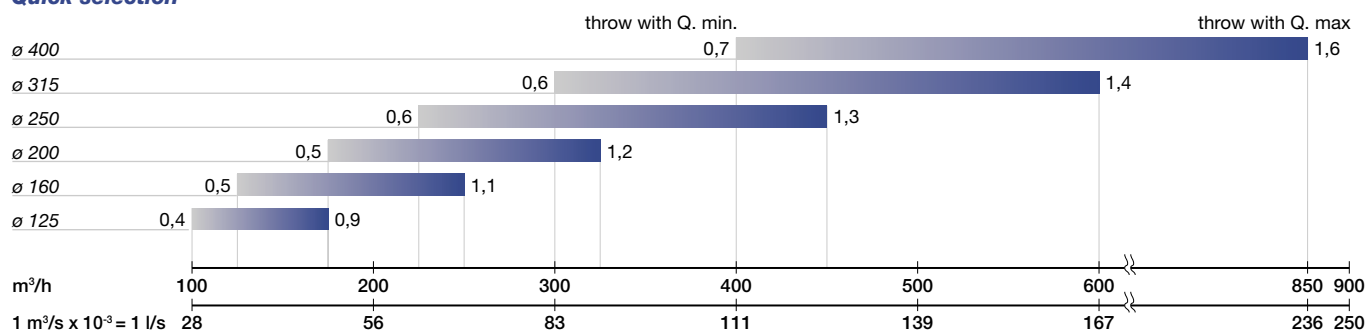
- WS 210: with downward oblique swirl flow,
- WS 230: with diffusion collar, with horizontal swirl flow.

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

Applications The swirl throw diffusers WS series, are applied in all the 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.

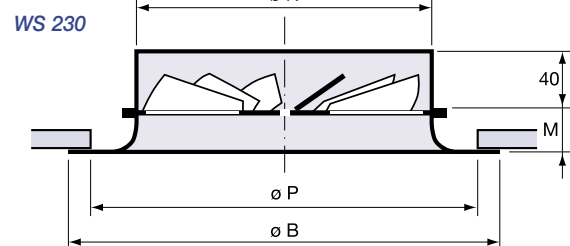
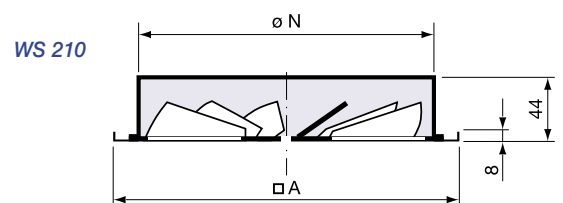
Installation WS 210 and 230 diffusers are installed by using a central screw with mounting bars (GR 003), with plenum or with screws on the on the neck of the diffuser.

Quick selection



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

Size



Size Sizes (mm)

	ø N	□ A	□ B	M	ø P
125	123	178	198	17	180
160	158	198	248	17	190
200	198	248	248	17	230
250	248	298	298	17	280
315	313	398	398	27	350
400	398	594	594	52	570

ø P = Minimum opening in false ceiling

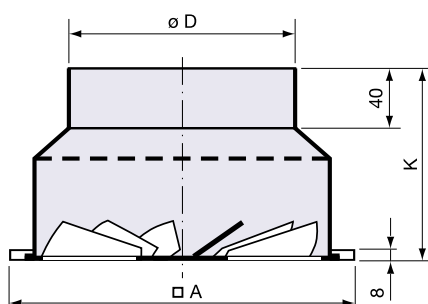
WS

square diffusers with swirl throws

Size	Sizes (mm)							
	□ A	□ B	ø D	F	ø J	□ W	K	Q
125	178	198	98	160	125	275	126	155
160	198	248	123	185	160	325	131	160
200	248	248	158	220	200	375	131	160
250	298	298	198	270	250	470	136	165
315	398	398	248	310	315	500	144	180
400	594	594	313	375	400	600	180	240

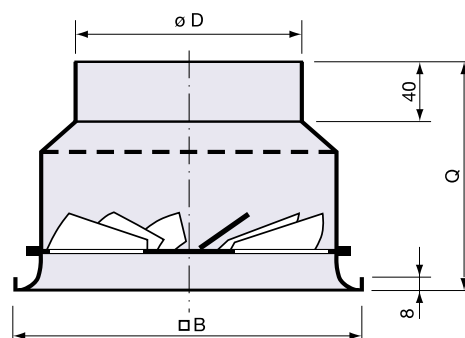
WS 210 T

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



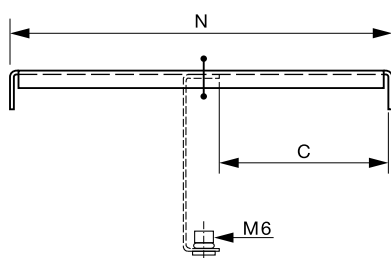
WS 230 T

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

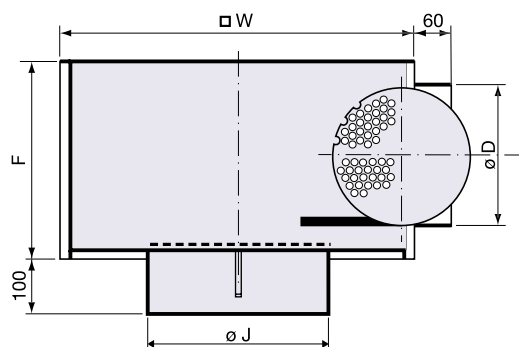
Plenum box WP

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 S 2 1 0 T

Flat version 1
Version with diffusion collar 3

T With reduction duct