



RRBC

Swirl diffuser
Return
Surface-mounted, round

Available types

RRBCO-

- R** swirl ceiling diffuser
- R** return
- B** petal shaped
- C** surface-mounted, round
- O** no accessories

- Version

- A** round top connection
- O** panel only
- R** assembled, internally insulated plenum box
- U** assembled, uninsulated plenum box

SA-Select

Check [SA-Select](#) to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Use

The RRBC swirl diffuser is suitable for air extraction and has the same appearance as the supply diffuser RTBC. The diffuser can be fitted in the ceiling and can be fitted with an insulated or uninsulated plenum box, which is supplied ready assembled. As standard, the plenum box is equipped with 8 mm hanging holes in the raised edge of the plenum.

Version

Swirl diffuser

Front face:	steel
Post-treatment:	epoxy
Colour:	white RAL 9010, optional RAL colour of your choice

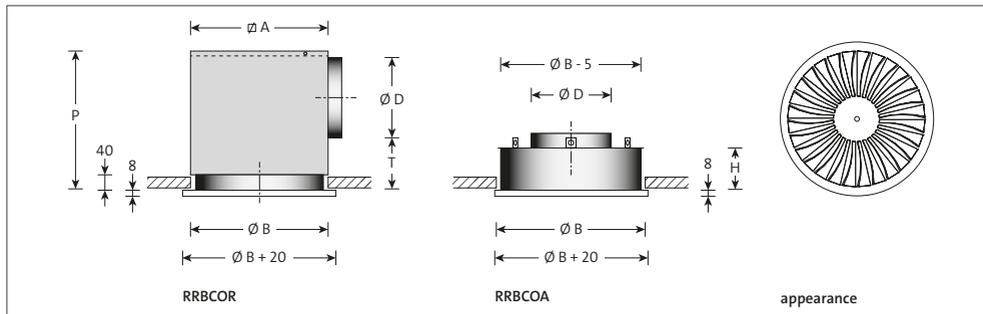
Plenum box

Material:	sendzimir galvanised steel
Internal insulation:	1/2" duct liner
Post-treatment:	none

Optional

Plenum box:	flat-sided
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Dimensions



Available dimensions and sizes

model	B	A	D	T	P	H
250	280	293	123	65	215	110
350	380	393	158	70	255	125
450	480	493	198	70	295	140
550	580	593	248	70	345	160

Note

- The listed dimensions are in mm.
- Information regarding flat-sided plenum boxes is available [on our website](#).

Selection details

RRBC

air volume		round connection		
m ³ /s	m ³ /h	model	Δp_i Pa	L_{pA} dB(A)
0.025	90	250	5	8
0.030		250	7	12
0.040	144	250	13	20
		350	5	-
0.050	180	250	20	26
		350	7	13
		250	29	30
0.060	216	350	10	17
		450	3	-
		250	40	34
0.070	252	350	14	21
		450	4	9
		350	19	25
		450	6	12
0.080	288	550	3	-
		350	29	31
		450	9	18
		550	5	10
0.125	450	350	45	36
		450	14	24
		550	8	16
		450	21	29
0.150	540	550	11	21
		450	37	36
		550	20	28
0.200	720	450	57	42
		550	31	34
		550	44	39
0.300	1080	550		

Attenuation values plenum box (without end reflection)

model	attenuation values						
	125	250	500	1k	2k	4k	Hz
250	5	0	3	10	5	11	dB
350	2	2	7	7	7	9	dB
450	2	3	9	7	7	9	dB
550	0	6	7	7	6	9	dB

General

- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.