



RRBM/RRBT

Swirl diffuser
Return
T-bar mounted in modular ceiling

Available types

RRB-O-

- R swirl ceiling diffuser
- R return
- B petal shaped

Panel

- M modular ceiling panel size 600 mm
- T flat-sided (see dimensions X, Y and Z)

- 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 RRBM swirl diffuser is suitable for air extraction and has the same appearance as the supply diffuser RTBM. The diffuser can be fitted in the ceiling and can be fitted with an insulated or uninsulated plenum box, which is supplied ready assembled. The perforated diffuser, type RTBT, is equipped with an 8 mm lowered face plate. 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

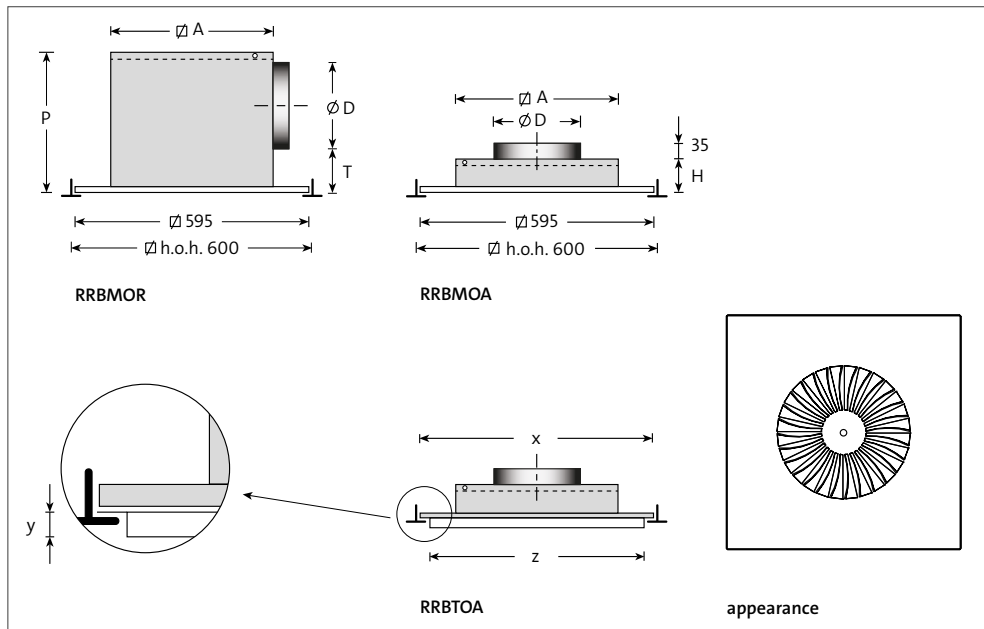
Plenum box

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

Optional

Panel size:	up to 750 mm
Plenum box:	flat-sided

Dimensions



Available dimensions and sizes

model	A	D	T	P	H
250	273	123	60	220	115
350	373	158	70	265	130
450	473	198	80	315	145
550	573	248	80	365	165

Weight

model	type		
	without plenum OA	with plenum OR/OU	without plenum OO
	kg	kg	kg
250	3.9	4.5	2.5
350	4.7	5.9	2.6
450	5.8	7.7	2.7
550	7.1	9.8	2.7

Note

- The listed dimensions are in mm.
- Dimensions t-bar mounted dropped:
T-bar mounted 24 mm (standard): X = 595, Y = 8, Z = 574
T-bar mounted 15 mm: X = 595, Y = 8, Z = 583
- For diffusers that are T-bar mounted in a modular ceiling with a smaller panel size, and for surface-mounting, see type RRB D [on our website](#).
- Information regarding flat-sided plenum boxes is available [on our website](#).

Selection details

RRBM/RRBT

air volume		round connection		
m ³ /s	m ³ /h	model	Δp_s Pa	L_{pA} dB(A)
0.025	90	250	5	8
0.030	108	250	7	12
0.040	144	250	13	20
		350	5	-
0.050	180	250	20	26
		350	7	13
0.060	216	250	29	30
		350	10	17
		450	3	-
0.070	252	250	40	34
		350	14	21
		450	4	9
0.080	288	350	19	25
		450	6	12
		550	3	-
0.100	360	350	29	31
		450	9	18
		550	5	10
0.125	450	350	45	36
		450	14	24
		550	8	16
0.150	540	450	21	29
		550	11	21
0.200	720	450	37	36
		550	20	28
0.250	900	450	57	42
		550	31	34
0.300	1080	550	44	39

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.