



## RRBS

**Swirl diffuser**  
**Return**  
**T-bar mounted in modular ceiling**  
**Removable diffuser part**

### Available types

#### RRBSO-

- R** swirl ceiling diffuser
- R** return
- B** petal shaped
- S** modular ceiling panel size 600 mm, with removable diffuser part
- 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 RRBS swirl diffuser is suitable for air extraction and has the same appearance as the supply diffuser RTBS. 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

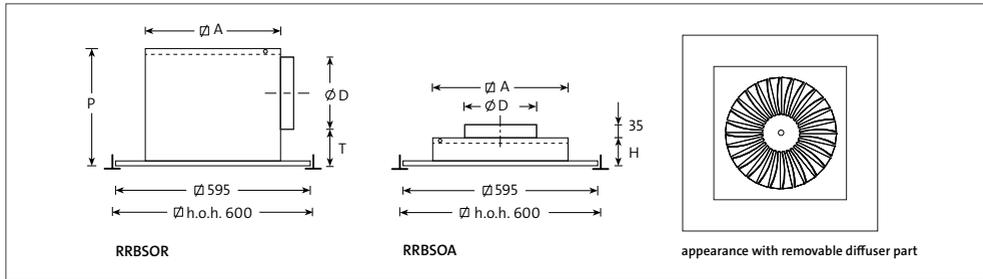
#### Plenum box

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	A	D	T	P	H
250	303	123	60	220	115
350	403	158	70	265	130
450	503	198	80	315	145

## 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

## Note

- The listed dimensions are in mm.
- For diffusers that are T-bar mounted in a modular ceiling with a smaller panel size, and for surface-mounting, see type RRBD on our website.
- Information regarding flat-sided plenum boxes is available on our website.

## Selection details

### RRBS

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

## 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

## General

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