



RTGD

Swirl diffuser
Supply
T-bar mounted
Adjustable discharge direction

Available types

RTGDO-

- R** swirl diffuser
- T** supply, with pattern blades
- G** adjustable discharge direction
- D** T-bar mounted
- O** no accessories

- Version

- A** round top connection
- R** internally insulated plenum box (supplied separately)
- U** uninsulated plenum box (supplied separately)

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 RTGD swirl diffuser is suitable for supplying cooled or heated air with a large temperature difference in respect of the room temperature and can be used with constant and variable-volume systems. Adjustable discharge direction The diffuser can be fitted in the ceiling and can be fitted with an insulated or uninsulated plenum box, which is supplied separately. As standard, the plenum box is equipped with 8 mm hanging holes in the raised edge of the plenum. Model 600 is also suitable for T-bar mounting in a centre-to-centre 600 mm modular ceiling. With the unique high induction swirl effect, a large number of air changes is feasible. With the extremely shallow inflow pattern, the RTGD diffuser is also suitable for slightly lower rooms.

Characteristics

Max. number of air changes:	up to 12 x
Undertemperature:	up to 10 K
Overtemperature:	up to 15 K

Version

Swirl diffuser

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

Plenum box

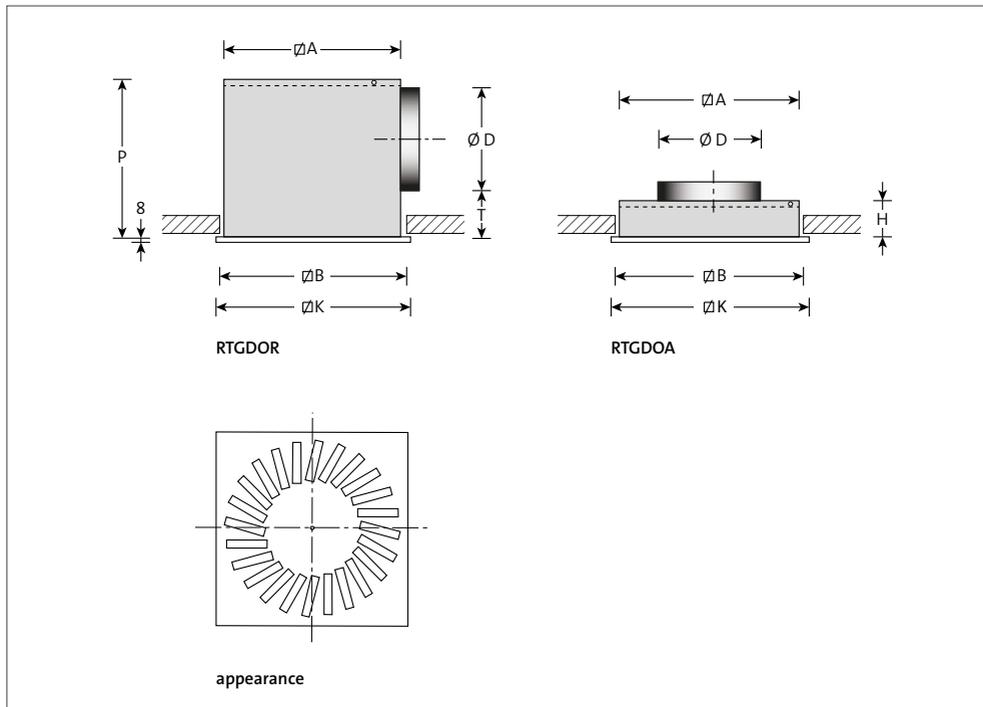
Material:	sendzimir galvanised steel
Internal insulation:	1/2" duct liner
Post-treatment:	none

Optional

Pattern blades

Colour:	white
Plenum box:	flat-sided

Dimensions



Available dimensions and sizes

model	B	K	D	A	P	T	H
300/8	285	295	158	280	260	65	190
400/16	378	395	198	373	300	65	190
500/24	478	495	198	473	310	75	190
600/24	578	595	248	573	360	75	190
600/48	585	595	248	580	370	85	290

Note

- The listed dimensions are in mm.

Selection details

RTGD

air volume		model														
		300/8			400/16			500/24			600/24			600/48		
m ³ /s	m ³ /h	throw m	Δp_s Pa	L_{PA} dB(A)												
0.015	54	0.7	3	-												
0.020	72	0.9	6	-												
0.025	90	1.1	9	10												
0.030	108	1.3	12	15	1.1	3	-									
0.040	144	1.6	22	22	1.3	6	-	1.1	3	-						
0.050	180	1.9	34	28	1.4	9	13	1.3	4	-						
0.060	216	2.1	50	33	1.6	14	17	1.4	6	12	1.3	2	-			
0.070	252	2.4	68	37	1.7	18	21	1.6	8	16	1.4	3	-			
0.080	288	2.6	88	40	1.8	24	25	1.7	11	19	1.5	4	7			
0.100	360				2.0	38	31	2.0	17	25	1.7	7	13	1.8	5	-
0.125	450				2.3	59	37	2.3	26	31	1.9	11	19	1.9	7	13
0.150	540							2.6	38	35	2.1	15	23	2.0	10	18
0.200	720										2.5	27	31	2.2	18	26
0.250	900										2.8	42	37	2.4	28	31
0.300	1080													2.5	41	36

General

- The throw applies to flush-mounting in a flat, closed ceiling.
- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.

View of swirl pattern

