

WRGC

Wall diffuser

Return

Mesh

Use

The WRGC wall diffuser is suitable for discharging air. The diffuser can be fitted in a wall or a door.

The diffusers have standard mounting holes in the frame.

Characteristics

Free flow: 70 %

Version

Wall diffuser

frame: anodised aluminium
 mesh width: 12 x 12 mm, galvanised
 post-treatment: epoxy
 colour: white RAL 9010, optional RAL colour of your choice

Optional

Also available without mounting holes.

SA-Select

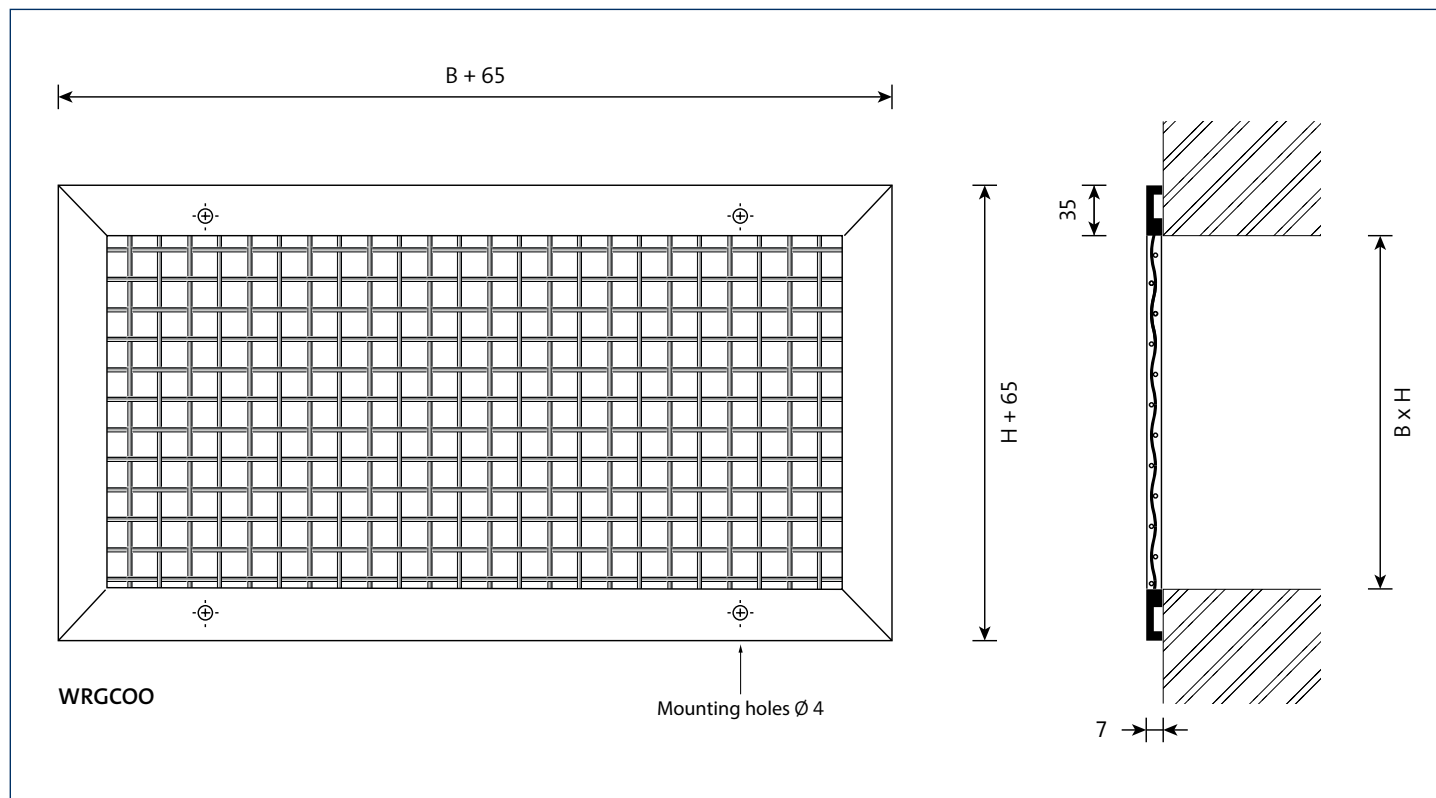
[Check SA-select](#) to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Available types

WRGCOO

- W** wall diffuser
- R** return
- G** galvanised mesh
- C** 35 mm aluminium
- O** not applicable
- O** not applicable

Dimensions



Standard dimensions

H	W							
	225	325	425	525	625	825	1025	1225
75	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■
225	■	■	■	■	■	■	■	■
325	■	■	■	■	■	■	■	■
425	■	■	■	■	■	■	■	■
525	■	■	■	■	■	■	■	■
625	■	■	■	■	■	■	■	■
825	■	■	■	■	■	■	■	■
1,025	■	■	■	■	■	■	■	■
1,225	■	■	■	■	■	■	■	■

The available models marked in grey are not preferable from an air-distribution point of view, and therefore they are not included as standard in SA-Select. These selection details are available on request. All sizes in mm.

Recess size: W x H

Available dimensions

- Interim widths and heights available in increments of 5 mm.

Selection details

WRGC

air volume		H	W																	
			225		325		425		525		625		825		1,025		1,225			
m ³ /s	m ³ /h		Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)	Δp_s Pa	L_{pA} dB(A)		
0.015	54	75	1	-																
0.020	72	75	2	-																
0.025	90	75	4	6	2	-														
0.030	108	75	5	10	2	-														
0.040	144	75	9	18	4	10	3	-												
		125	3	7	2	-														
0.050	180	75	14	24	7	16	4	10	3	5	2	-								
		125	5	12	2	-														
0.060	216	75	20	28	10	20	6	15	4	10	3	6								
		125	7	17	3	9	2	-												
0.080	288	75	36	36	17	28	10	22	7	17	5	14								
		125	13	25	6	17	4	11	2	6	2	-								
		225	4	12	2	-														
0.100	360	75	56	42	27	34	16	28	10	23	7	19								
		125	20	31	10	23	6	17	4	12	3	8	2	-						
		225	6	18	3	10	2	-												
0.125	450	75			42	39	25	34	16	29	11	25								
		125	32	36	15	28	9	23	6	18	4	14	2	8	2	-				
		225	10	24	5	16	3	10	2	5										
0.150	540	75					35	38	23	34	16	30								
		125	46	41	22	33	13	27	8	23	6	19	3	13	2	8				
		225	14	28	7	20	4	15	3	10	2	6								
		325			3	12	2	7												
0.200	720	75					-	41	41	29	38									
		125			39	41	23	35	15	30	10	26	6	20	4	16				
		225	25	36	12	28	7	22	5	17	3	14	2	8						
		325			6	20	3	14	2	9	2	6								
0.250	900	75									46	43								
		125					35	41	23	36	16	32	9	26	6	21				
		225	39	42	19	34	11	28	7	23	5	19	3	13	2	9	1	5		
		325			9	26	5	20	3	15	2	11	1	5						
0.300	1,080	125					51	45	33	41	24	37	14	31	9	26				
		225	56	46	27	38	16	33	10	28	7	24	4	18	3	13	2	10		
		325			13	30	8	25	5	20	3	16	2	10	1	5				
		425			4	19	3	14	2	10	1	-								
0.400	1,440	125							59	48	42	44	24	38	16	34				
		225			48	46	28	40	18	36	13	32	7	26	5	21	3	17		
		325			23	38	13	32	9	28	6	24	4	18	2	13	2	9		
		425					8	26	5	22	4	18	2	12	1	7				
0.500	1,800	125											38	44	24	40				
		225					44	46	29	41	20	38	12	32	8	27	5	23		
		325			36	44	21	38	14	33	10	30	6	24	4	19	3	15		
		425					12	32	8	28	6	24	3	18	2	13	1	9		
0.600	2,160	125											54	49	35	44				
		225							41	46	36	42	17	36	11	32	8	28		
		325			52	49	30	43	20	38	14	34	8	28	5	24	4	20		
		425					18	37	12	32	8	28	5	22	3	18	2	14		
0.800	2,880	225										52	50	30	44	19	39	13	35	
		325					54	50	35	46	25	42	14	36	9	31	6	27		
		425					31	44	29	40	19	36	8	30	5	25	4	21		
1.000	3,600	225											46	50	30	45	21	41		
		325							55	51	39	48	22	42	14	37	10	33		
		425							49	50	32	46	13	36	8	31	6	27		

General

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