WDVC

Wall diffuser
Transfer
Fixed vane

Available types
W D V C - O

W wall diffuser
D transfer
V fixed vane 45°, centre-to-centre 20 mm
C 35 mm aluminium, fixed internal unit

\- **Accessories**
O none
V volume unit

O not applicable

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
De WDVC wall diffuser is suitable for air extraction and as transfer or overflow diffuser. The diffuser can be fitted in a wall. The fixed horizontal vanes prevent being able to look in. Fitting a WDVC on both sides of the wall produces a sightproof finish.

Characteristics

Free flow:	50 %

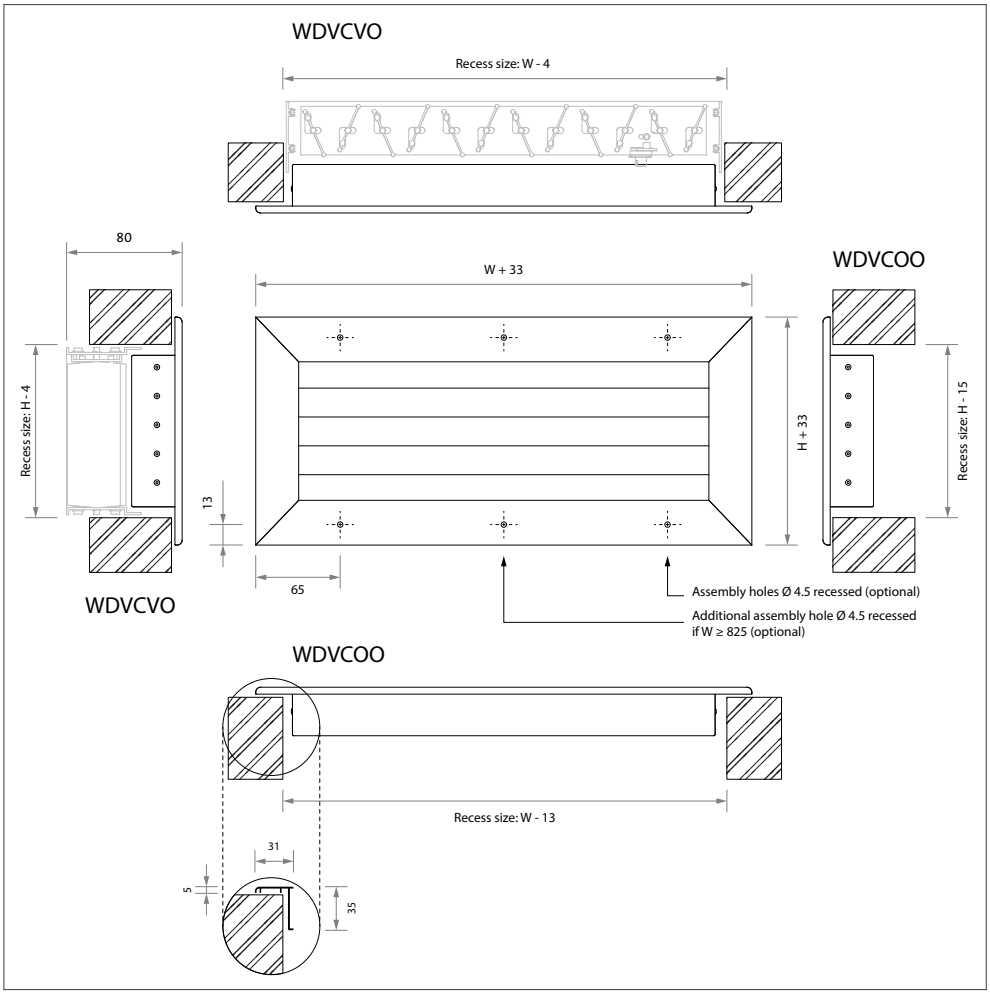
Version
Wall diffuser

Frame and vanes:	anodised aluminium
Post-treatment:	epoxy
Colour:	white RAL 9010, optional RAL colour of your choice

Volume unit

Frame and vanes:	extruded aluminium
Post-treatment:	none

Dimensions



Standard dimensions

H	B							
	225	325	425	525	625	825	1025	1225
85	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■
225	■	■	■	■	■	■	■	■
325	■	■	■	■	■	■	■	■
425	■	■	■	■	■	■	■	■
525	■	■	■	■	■	■	■	■
625	■	■	■	■	■	■	■	■

Available dimensions

- Width min. 200, max. 1225.
- Height min. 85, max. 625.
- Interim widths available in increments of 5 mm.
- Interim heights available in increments of 20 mm.

Note

- The listed dimensions are in mm.
- Recess size WDVCVO : W - 4 x H - 4.
  Recess size WDVCOO : W - 13 x H - 15.

2024_08_v2

Selection details

WDVC

air volume		H	B															
			225		325		425		525		625		825		1025		1225	
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	85	14	23	6	14	4	-										
0.020	72	85	25	31	11	22	6	16	4	11	3	-						
		125	4	10	2	-												
0.025	90	85	40	37	18	28	10	21	6	17	4	13						
		125	6	16	3	7												
0.030	108	85	57	41	25	32	14	26	9	21	6	17	4	11				
		125	9	21	4	12	2	-										
0.040	144	85			45	40	25	34	16	29	11	25	6	19	4	14	3	10
		125	15	28	7	20	4	13										
0.050	180	125	24	34	11	25	6	19	4	14	3	10						
		225	5	17														
0.060	216	125	35	39	15	30	9	24	6	19	4	15						
		225	7	22	3	13												
0.080	288	125			28	38	15	31	10	26	7	23	4	16	2	11		
		225	13	29	6	20	3	14										
0.100	360	225	20	35	9	26	5	20	3	15	2	11						
		325	8	25	4	17												
0.125	450	225	31	41	14	32	8	26	5	21	3	17						
		325	13	31	6	22	3	16	2	11								
		425	7	25	3	16												
0.150	540	225	44	45	20	37	11	30	7	26	5	22	3	15	2	10		
		325	18	36	8	27	5	21	3	16	2	12						
		425	10	29	4	21	3	14										
		525	6	24	3	15												
0.200	720	225			35	44	20	38	13	33	9	29	5	23	3	18	2	14
		325	33	43	15	35	8	28	5	24	4	20	2	13				
		425	18	37	8	28	4	22	3	17	2	13						
		525	11	32	5	23	3	17	2	12								
0.300	1080	225									20	40	11	33	7	29	5	25
		325					18	39	12	34	8	30	5	24	3	19	2	15
		425			18	39	10	32	6	28	4	24	3	17	2	12		
		525	25	42	11	34	6	27	4	22	3	19	2	12				
0.400	1440	325							21	42	15	38	8	31	5	27	4	23
		425					18	40	11	35	8	31	4	25	3	20	2	16
		525			20	41	11	35	7	30	5	26	3	20	2	15		
		625	31	46	14	37	8	31	5	26	3	22	2	16				
0.500	1800	425							18	41	12	37	7	31	4	26	3	22
		525					18	41	11	36	8	32	4	26	3	21	2	17
		625			21	43	12	37	8	32	5	28	3	21	2	17		
0.600	2160	425									18	42	10	35	6	31	4	27
		525					25	45	16	41	11	37	6	30	4	25	3	22
		625			31	48	17	41	11	36	8	32	4	26	3	21	2	17
0.800	2880	525									20	44	11	38	7	33	5	29
		625							20	44	14	40	8	34	5	29	3	25
1.000	3600	525											18	44	11	39	8	35
		625							31	50	21	46	12	40	8	35	5	31

General

- The pressure loss applies to a fully opened volume unit.
- The assumed room attenuation is 10 dB.
- It is permitted to interpolate the interim values.