



WRHA/WRHB/WRHU

Wall diffuser Return

3

Available types

WRH--O

W wall diffuser

R return

H appearance as high induction wall diffuser

- Frame

A 26 mm, removable internal unit (standard)

B 6.5 mm, removable internal unit

U none, internal unit with U profile

- 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

The WRHA wall diffuser is suitable for air extraction and has the same appearance as the supply diffuser WTHA. The diffuser has a high mechanical strength.

Characteristics

The large free flow (85 %) makes the diffuser suitable for a high capacity with a low noise level.

Version

Wall diffuser

Frame: extruded aluminium

Internal unit: steel

Post-treatment: epoxy

Colour: white RAL 9010, optional RAL colour of your choice

Volume unit

Frame and vanes: extruded aluminium

Post-treatment: none

Optional

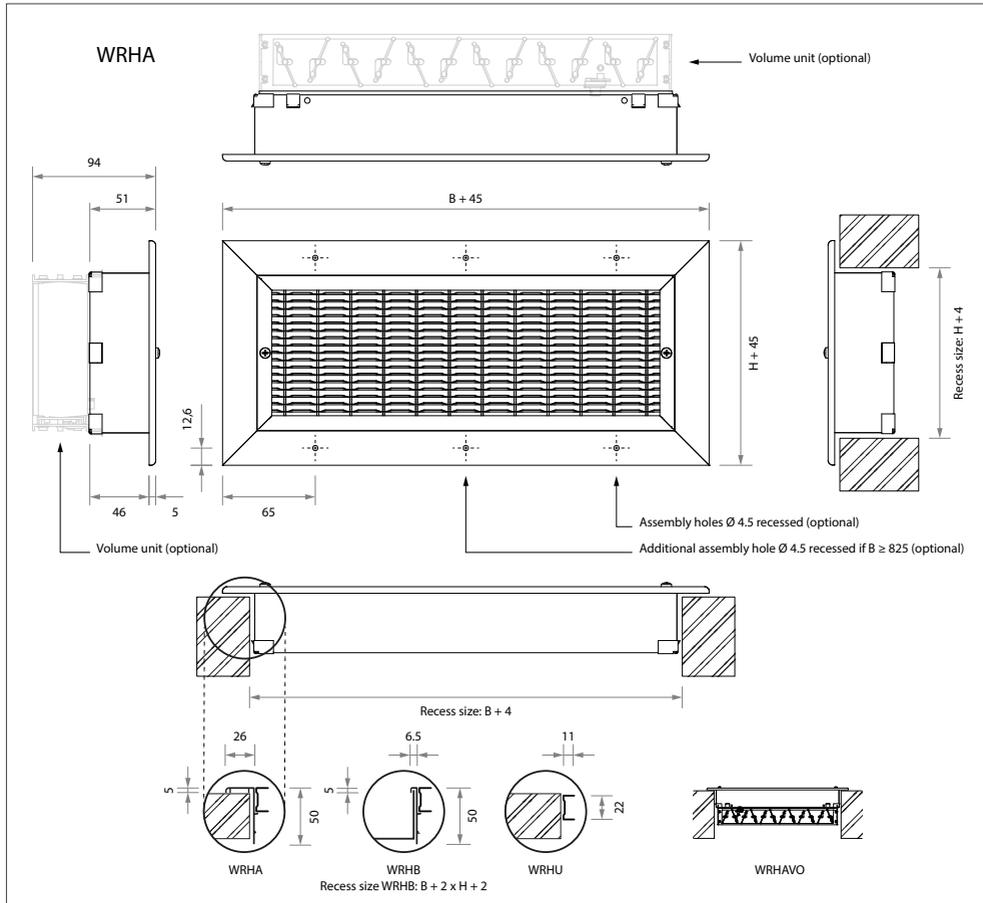
Click frame: WOOOKO available up to W x H: 625 x 325 mm the diffuser has spring clips when used with a click frame. [See documentation.](#)

Plenum boxes: WRO, insulated or uninsulated

Mounting holes: for WRHA only

Filter: on request

Dimensions



Standard dimensions

H	B							
	225	325	425	525	625	825	1025	1225
75	■	■	■	■	■	■	■	■
125	■	■	■	■	■	■	■	■
225	■	■	■	■	■	■	■	■
325	■	■	■	■	■	■	■	■

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.

Available dimensions

- Interim sizes available in increments of 5 mm.
- Width min. 200, max. 1225.
- Height min. 75, max. 325.

Note

- Only use click frames in solid walls.
- The listed dimensions are in mm.
- Recess size WRHA: $B + 4 \times H + 4$.
- Recess size WRHB: $B + 2 \times H + 2$.

Selection details

WRHA/WRHB/WRHU

air volume		H	B															
			225		325		425		525		625		825		1025		1225	
m ³ /s	m ³ /h		Δp_s Pa	L_{eq} dB(A)														
0.015	54	75	2	-														
0.020	72	75	4	-														
0.025	90	75	6	-	3	-												
0.030	108	75	9	13	4	-	2	-										
		125	2	-														
0.040	144	75	15	21	7	12	4	-	2	-								
		125	4	-														
0.050	180	75			10	18	6	11	4	-	3	-						
		125	6	10	2	-												
0.060	216	75			15	22	8	16	5	11	4	-						
		125	8	15	4	-	2	-										
0.070	252	75					11	20	7	15	5	11						
		125	11	19	5	11	3	-										
0.080	288	75					15	24	10	19	7	15						
		125	14	23	6	14	3	-	2	-								
0.100	360	75							15	25	10	21						
		125			10	20	5	14	3	-	2	-						
0.125	450	75										16	26					
		125			15	26	9	20	5	15	4	11	2	-				
		225					2	-										
0.150	540	125					12	24	8	19	5	15	3	-	2	-		
		225					3	-	2	-								
0.200	720	125						14	27	10	22	5	17	3	12			
		225					5	16	3	2	-							
0.300	1080	125											12	27	8	22		
		225					12	27	8	22	5	18	3	12	2	-		
		325										2	-					
0.400	1440	125													14	30		
		225							14	29	9	26	6	19	3	14	2	10
		325									4	17						
0.500	1800	225									15	31	8	25	5	20	4	16
		325									6	23	4	16	2	11		
0.600	2160	225										12	30	8	25	5	21	
		325									9	27	5	21	3	16	2	11
0.700	2520	225										16	34	10	29	7	25	
		325									13	31	7	25	5	20	3	16
0.800	2880	225											13	33	9	29		
		325									16	35	9	28	6	24	4	20
1.000	3600	225															15	34
		325											14	34	9	29	6	25

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.