

WUCK

Duct diffuser for round ducts
Supply/Return
Adjustable vane

Available types

W U C K - O

- W** duct diffuser
- U** universal application
- C** horizontal and vertical adjustable vanes
- K** frame with 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

The WUCK duct diffuser is suitable for supplying cooled or heated air with a large temperature difference. The diffuser can be mounted directly in the round duct. The horizontal and vertical vanes can be adjusted manually. The diffuser can also be used as a return diffuser.

Characteristics

Max. number of air changes:	up to 8 x
Undertemperature:	up to 10 K
Overtemperature:	up to 15 K
Free flow:	70 %

Version

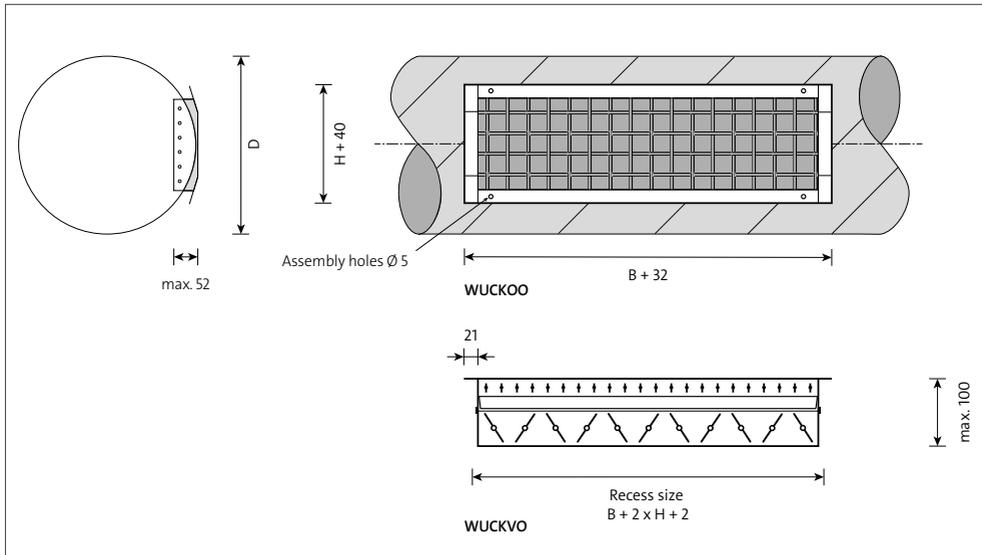
Duct diffuser

Frame and vanes:	sendzimir galvanised steel
Post-treatment:	none, optional RAL colour of your choice

Volume unit

Frame and vanes:	anodised aluminium
Post-treatment:	none

Dimensions



Available dimensions

H	B					
	215	315	415	515	615	815
65	■	■	■	■	■	■
115	■	■	■	■	■	■
215			■	■	■	■

Note

- The listed dimensions are in mm.

Fitting

- Directly on the round duct with self-tapping screws.

Duct diameter

H	D min. - max.
65	150 - 400
115	300 - 900
215	600 - 2400

Selection details

WUCK return

air volume		H	B											
m ³ /s	m ³ /h		215		315		415		515		615		815	
			Δp_s Pa	L_{PA} dB(A)										
0.015	54	65	2	-										
0.020	72	65	3	-										
0.025	90	65	4	-	2	-								
0.030	108	65	6	-	3	-	2	-						
		115	2	-										
0.040	144	65	11	17	5	-	3	-	2	-				
		115	3	-	2	-								
0.050	180	65	17	23	8	14	5	-	3	-	2	-		
		115	5	10	2	-								
0.060	216	65	25	27	11	19	7	13	4	-	3	-		
		115	7	14	3	-	2	-						
0.070	252	65	34	31	16	23	6	12	4	-	4	-		
		115	10	18	5	10	3	-						
0.080	288	65	44	35	20	26	12	20	8	16	5	12	3	6
		115	13	22	6	13	3	-	2	-				
0.100	360	65			32	32	18	26	12	21	8	18	5	12
		115	21	28	9	19	5	13	4	-	2	-		
0.125	450	65					28	33	20	28	12	24	7	18
		115	32	33	15	25	8	19	5	14	4	10	2	-
		215					2	-						
0.150	540	65											10	23
		115			21	30	12	24	8	19	6	15	3	-
		215					3	10	2	-				
0.200	720	65											18	30
		115			38	37	22	31	14	26	10	22	6	16
		215					6	17	4	12	3	-	2	-
0.300	1.080	65											41	41
		115							32	37	22	33	12	27
		215					13	28	9	23	6	19	3	13
0.400	1.440	115							56	44	39	41	22	34
		215					24	35	15	30	11	26	6	20
0.500	1.800	215					37	41	24	36	17	32	10	26
0.600	2.160	215							35	41	24	37	14	31
0.700	2.520	215									33	41	19	35
0.800	2.880	215									43	45	24	38
1.000	3.600	215											38	44

General

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