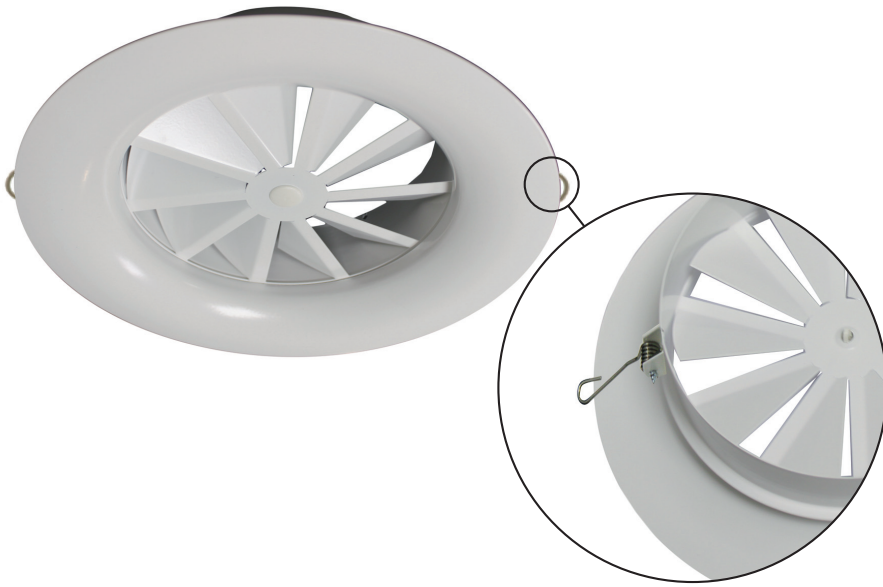


**RWR 2C  
(RAL9010)**

- Swirl ceiling diffusers
- Circular
- Steel
- White, RAL 9010



## Circular swirl ceiling diffusers with clip mounting type RWR 2C (RAL9010)

Round swirl ceiling diffusers with flat frame and fixed blades, mounted by clips

**Application**

- For air supply and exhaust in ventilation and air conditioning systems.

**Material**

- Steel

**Colour**

- White, RAL 9016

**Composition**

- Fixed blades
- Clip mounting

**Mounting**

- Fixing directly on the collar without plenum box

**Text for tender**

- The air supply diffusers are of the swirl type with a flat frame and clip mounting. They are made of steel with white powder coating RAL 9010.
- Cairox type RWR-2C**

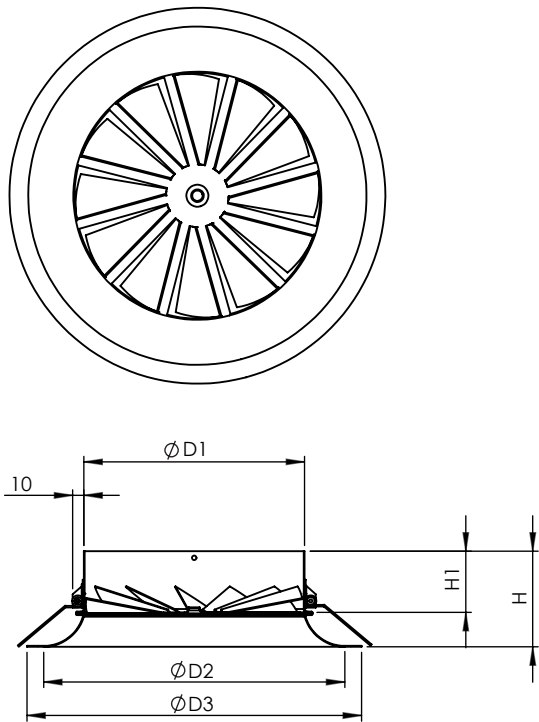
**Order example**

- RWR-2C, 200**

Explanation

**RWR-2C** = Diffuser with clip mounting type

**200** = Neck size of diffuser



Dimensions																	
RWR-2C			ØD1 [mm]			ØD2 [mm]			ØD3 [mm]			H [mm]		H1 [mm]		#Blades	
100			98			154			170			74		45		10	
125			123			195			225			86		55		10	
160			158			220			250			86		55		10	
200			198			270			300			86		55		10	
Quick selection																	
RWR-2C				100			125			160			200				
Q	Ak			0.0056			0.0086			0.0141			0.0224				
	B			1.2	2.4	3.6	1.2	2.4	3.6	1.2	2.4	3.6	1.2	2.4	3.6		
40	Vz	H= 2.7		0.51	0.25	0.15	0.28	0.13	0.07								
		H= 3.2		0.28	0.16	0.1	0.14	0.08	0.05								
		H= 3.8		0.16	0.1	0.07	0.08	0.05	0.03								
		Vk		2				1.3									
	X0,25			2.1				1.6									
60	Vz	H= 2.7		0.77	0.38	0.22	0.4	0.18	0.1	0.31	0.14	0.08					
		H= 3.2		0.42	0.24	0.16	0.21	0.11	0.07	0.16	0.09	0.05					
		H= 3.8		0.24	0.16	0.11	0.11	0.07	0.05	0.09	0.05	0.04					
		Vk		3				1.9				1.2					
	X0,25			2.6				1.8				1.7					
100	Vz	H= 2.7					0.68	0.31	0.17	0.52	0.24	0.13	0.39	0.17	0.09		
		H= 3.2					0.35	0.19	0.12	0.26	0.14	0.09	0.19	0.1	0.06		
		H= 3.8					0.19	0.12	0.08	0.14	0.09	0.06	0.1	0.06	0.04		
		Vk						3.2				2					
	X0,25							2.3				2					
150	Vz	H= 2.7								0.78	0.35	0.2	0.61	0.27	0.15		
		H= 3.2								0.4	0.21	0.13	0.31	0.16	0.1		
		H= 3.8								0.21	0.13	0.09	0.16	0.1	0.07		
		Vk									3				1.9		
	X0,25										2.4				2.2		
200	Vz	H= 2.7															
		H= 3.2															
		H= 3.8															
		Vk															
	X0,25																
250	Vz	H= 2.7											1	0.45	0.24		
		H= 3.2											0.5	0.27	0.16		
		H= 3.8											0.27	0.16	0.11		
		Vk												3.1			
	X0,25													2.7			
Ps														35			
Lw(A)														40			

**Symbols and specifications**

- Q = Air volume in m<sup>3</sup>/h
- Ak = Effective surface (free area) in m<sup>2</sup>
- B = Distance between the diffusers in m
- H = Installation height of the diffusers in m
- Vz = Maximum velocity at the occupied zone according to distance between the diffusers and installation height in m/s
- Vk = Average effective velocity through the diffuser in m/s
- X0.25 = Throw length in m at an end velocity Vt of 0,25m/s
- Ps = Static pressure loss given in Pa
- Lw(A) = Acoustic power in dB(A)
  
- The throw X0.25 is given at an end velocity of 0.25m/s for a smooth ceiling without any obstacles.
- The values are given for isothermal supply air. Throw distances for cooling conditions at -11K can be calculated by dividing the X0.25 values with factor 1.1. For heating purposes at Dt of +11K a multiplier of 1.1 should be applied to the given X0.25 value.
- In order to achieve a high comfort level, selections can be made according to the maximal velocity at the occupied zone Vz. These values are given at distances between diffusers B and installation heights H. Velocities Vz lower than, or equal to 0,25m/s at the occupied zone are advised.
- The pressure losses Ps are given for diffusers without damper or with fully opened damper.
- The acoustic power values Lw(A) are given for diffusers without damper or with fully opened damper without room attenuation. Acoustic powers below 20dB(A) are mentioned as "<20" in the tables.
- For all special requirements, please contact our engineering office.

**Symbols and specifications**

- See introduction pages

## Placement instruction

