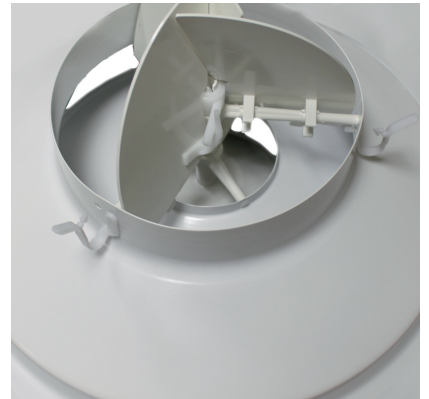
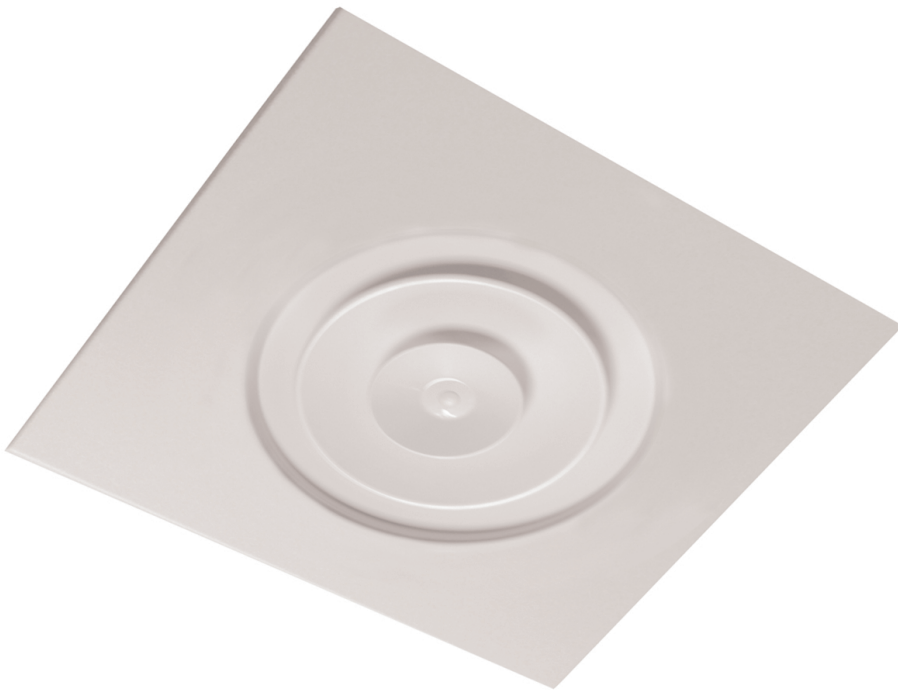


**PS/SRR-D
(RAL9010)**

- Circular diffuser
- Aluminium + ABS
- White, RAL 9010



Round ceiling diffusers type PS/SRR-D (RAL9010)

- Round ceiling diffusers with adjustable cones

Application

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

Material

- Aluminium + ABS

Colour

- White, RAL 9010

Composition

- Adjustable rings
- Adjustable damper in plastic

Mounting

- Direct mounting by the collar in the duct

Accessories

- Clips mounting system **SRR-DMC** for plasterboard ceiling

Text for tender

- The circular ceiling diffusers shall have adjustable diffusion rings. They shall be made of aluminium with white powder coated finish RAL 9010 and supplied with volume control damper
- **Cairox** type **SRR-D+DR**

Order example

■ PS/SRR-D, 200 + DR

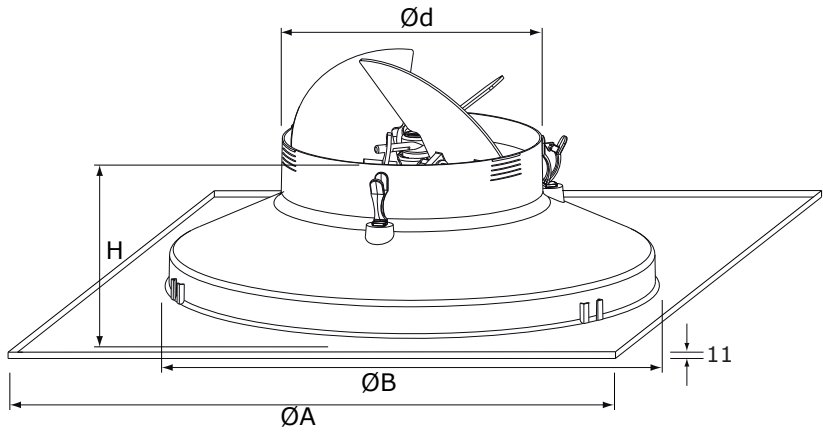
Explanation

PS/SRR-D = Type diffuser

200 = Size diffuser (Ø diffuser neck connection)

Accessories (optional)

DR = Volume damper



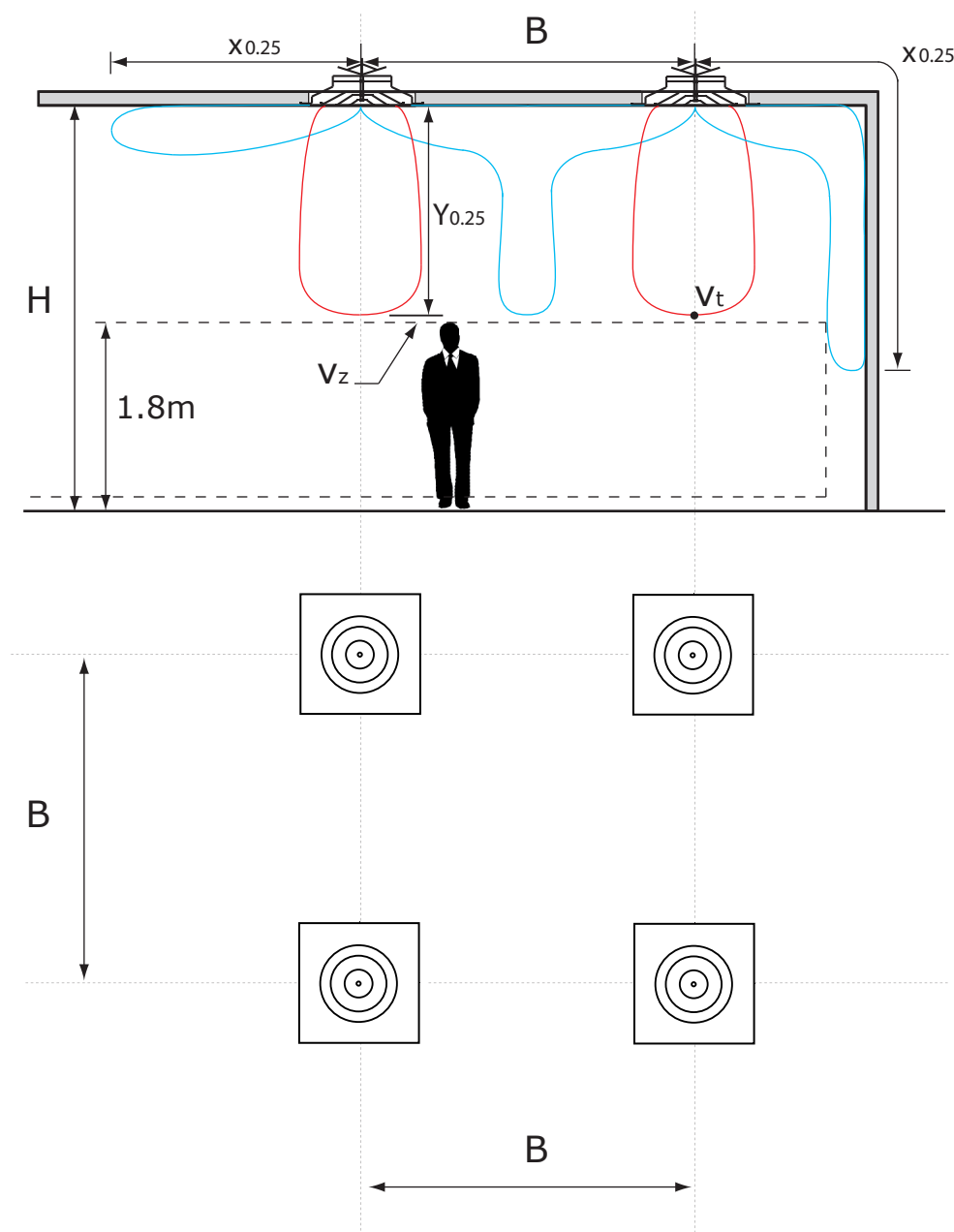
PS/SRR-D	Dimensions			
	Ød [mm]	A [mm]	ØB [mm]	H [mm]
160	158	595x595	310	105
200	198	595x595	395	118
250	248	595x595	490	135
315	313	595x595	615	145

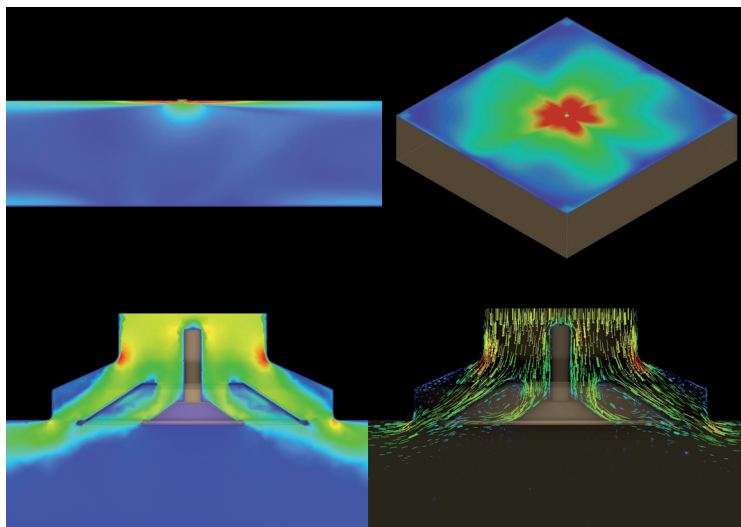
Quick selection														
PS/SRR-D			160			200			250			315		
Q	Ak răcire		0.031			0.046			0.069			0.106		
	Ak încălzire		0.029			0.042			0.06			0.088		
200	B		1.2	2.4	3.6	1.2	2.4	3.6	2.4	3.6	4.2	3.6	4.2	4.8
	Vz	H= 2.7	0.43	0.31	0.24	0.33	0.24	0.18						
		H= 3.2	0.32	0.25	0.2	0.25	0.19	0.15						
		H= 3.8	0.25	0.2	0.17	0.19	0.15	0.13						
	Vk răcire		1.8			1.2								
	Vk încălzire		1.9			1.3								
	X0,25		2.6			2								
	Y0,25 @Dt +10K		2.3			1.4								
	Ps răcire		5			2								
	Ps încălzire		16			7								
300	Vz	H= 2.7	0.64	0.46	0.36	0.49	0.35	0.27	0.26	0.2	0.18			
		H= 3.2	0.48	0.37	0.3	0.37	0.28	0.23	0.21	0.17	0.16			
		H= 3.8	0.37	0.3	0.25	0.28	0.23	0.19	0.17	0.15	0.13			
	Vk răcire		2.7			1.8			1.2					
	Vk încălzire		2.9			2			1.4					
	X0,25		3.9			3			2.2					
	Y0,25 @Dt +10K		3.2			2.8			2					
	Ps răcire		12			5			2					
	Ps încălzire		36			16			8					
	Lw(A) summer		27			<20			<20					
400	Vz	H= 2.7	0.86	0.61	0.48	0.66	0.47	0.37	0.35	0.27	0.25	0.18	0.17	0.15
		H= 3.2	0.64	0.5	0.4	0.49	0.38	0.31	0.28	0.23	0.21	0.15	0.14	0.13
		H= 3.8	0.5	0.4	0.34	0.38	0.31	0.26	0.23	0.19	0.18	0.13	0.12	0.11
	Vk răcire		3.6			2.4			1.6			1		
	Vk încălzire		3.8			2.6			1.9			1.3		
	X0,25		5.2			3.9			3			2		
	Y0,25 @Dt +10K		4.2			3.4			3.2			2.6		
	Ps răcire		21			8			3			1		
	Ps încălzire		62			27			14			6		
	Lw(A) răcire		37			26			<20			<20		
600	Vz	H= 2.7	1.29	0.92	0.72	0.99	0.71	0.55	0.53	0.41	0.37	0.29	0.26	0.24
		H= 3.2	0.97	0.74	0.6	0.74	0.57	0.46	0.43	0.35	0.32	0.25	0.23	0.21
		H= 3.8	0.74	0.6	0.51	0.57	0.46	0.39	0.35	0.29	0.27	0.21	0.19	0.18
	Vk răcire		5.4			3.6			2.4			1.6		
	Vk încălzire		5.7			4			2.8			1.9		
	X0,25		7.7			5.9			4.4			3.2		
	Y0,25 @Dt +10K		6			4.7			4.1			3.8		
	Ps răcire		47			18			7			3		
	Ps încălzire		137			63			29			13		
	Lw(A) răcire		52			40			27			<20		
800	Vz	H= 2.7				1.32	0.94	0.73	0.7	0.55	0.49	0.39	0.35	0.32
		H= 3.2				0.99	0.76	0.62	0.57	0.46	0.42	0.32	0.3	0.27
		H= 3.8				0.76	0.62	0.52	0.46	0.39	0.36	0.27	0.25	0.24
	Vk răcire					4.8			3.2			2.1		
	Vk încălzire					5.3			3.7			2.5		
	X0,25					7.9			5.9			4.2		
	Y0,25 @Dt +10K					6.1			5			4.5		
	Ps răcire					32			12			5		
	Ps încălzire					110			51			22		
	Lw(A) răcire					50			37			23		
Lw(A) încălzire					67			55			42			

Symbols and specifications

- Q = Air Volume in m³/h
- Ak winter = Effective surface (free area) in m² given at the upper position of the inner adjustable cone
- Ak summer = Effective surface (free area) in m² given at the lower position of the inner adjustable cone
- B = Distance between diffusers in m
- H = Installation height of the diffusers in m
- Vz = Maximum velocity at the occupied zone, given for cooling at the lower position of the inner adjustable cone, regarding the distance between diffusers and installation height in m/s
- Vk winter = Average effective velocity for Ak winter through the diffuser in m/s
- Vk summer = Average effective velocity for Ak summer through the diffuser in m/s
- X0.25 = Horizontal throw in m at an endvelocity Vt of 0,25m/s isothermal at the lower position of the inner cone
- Y0.25 = Vertical throw in m at an endvelocity Vt of 0,25m/s with a temperature difference of +10K at the upper position of the inner cone
- Ps winter = Static pressure loss for Ak winter given in Pa
- Ps summer = Static pressure loss for Ak summer given in Pa
- Lw(A) winter = Acoustic power for Ak winter in dB(A)
- Lw(A) summer = Acoustic power for Ak summer in dB(A)
- The throw X0.25 is given at an end velocity of 0.25m/s for a smooth ceiling without any obstacles.
- 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 grilles without damper or with fully opened damper.
- The acoustic power Lw(A) are given for grilles 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.

Placement instruction



CFD simulation Cooling**CFD simulation Heating**