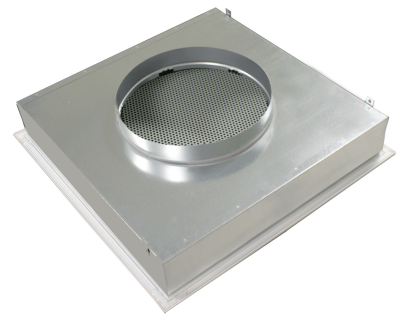**A.04**

Ceiling diffusers and grilles

PS/PPRMB (RAL9016)

└ Perforated diffusers
└ Square
└ Steel
└ White, RAL 9016

CAIROX

Perforated exhaust grilles for system ceilings type PS/PPRMB (RAL9016)

Air exhaust ceiling diffusers with perforated plate for ceiling systems 600 x 600 mm

Brand
■ Cairox

Application
■ For air exhaust or supply in ventilation and air conditioning systems

Material
■ Steel

Colour
■ Standard colour white, RAL 9016
■ Other colours available upon request

Composition
■ Perforated front plate with incorporated top entry plenum box
■ Perforated innerpart to be opened easily by push-push system

Text for tender
■ The square air exhaust or vertical supply system ceiling diffusers have a perforated front plate and an incorporated plenum box. They are made of steel with white powdercoating finish RAL 9016.
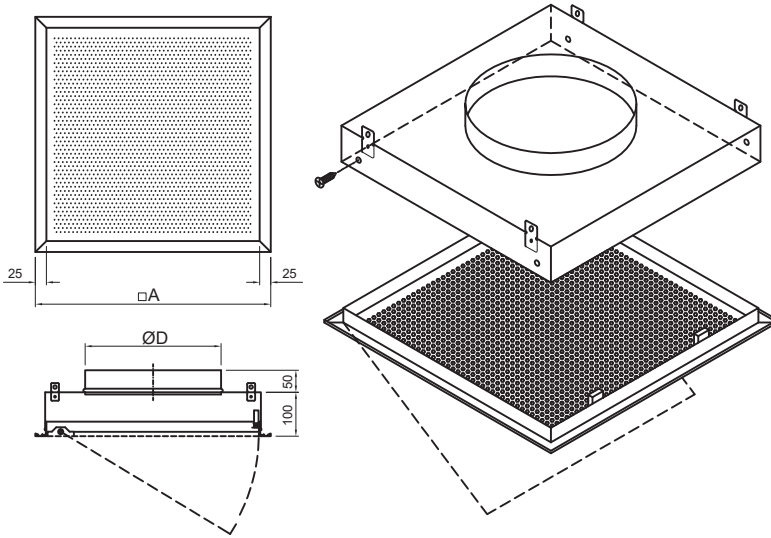■ **Cairox** type **PS/PPRMB**

Order example
PS/PPRMB, 200
Explanation
PS/PPRMB = Type diffuser
200 = Size diffuser (connection diameter)

CAIROX

Dimensions		
PS/PPRMB	**A [mm]**	**ØN [mm]**
160	595	160
200	595	200
250	595	250
315	595	315

Quick selection					
PS/PPRMB		**600/160**	**600/200**	**600/250**	**600/315**
Q	**Ak**	0.1457	0.1457	0.1457	0.1457
150	Vk	0.3			
	Ps	0.8			
	Lw(A)	<20			
200	Vk	0.4			
	Ps	1.4			
	Lw(A)	<20			
250	Vk	0.5	0.5		
	Ps	2.2	2.2		
	Lw(A)	<20	<20		
300	Vk	0.6	0.6		
	Ps	3.2	3.2		
	Lw(A)	<20	<20		
400	Vk		0.8	0.8	
	Ps		5.7	5.7	
	Lw(A)		<20	<20	
600	Vk			1.1	1.1
	Ps			10.8	10.8
	Lw(A)			<20	<20
800	Vk			1.5	1.5
	Ps			20.1	20.1
	Lw(A)			<20	<20
1000	Vk				1.9
	Ps				32.3
	Lw(A)				24
1200	Vk				2.3
	Ps				47.3
	Lw(A)				30
1400	Vk				2.7
	Ps				65.2
	Lw(A)				35

Symbols and specifications

- Q = Air Volume in m³/h
- Ak = Effective surface (free area) in m²
- Vk = Average effective velocity through the grill in m/s
- Ps = Static pressure loss given in Pa
- Lw(A) = Acoustic power in dB(A)

- The values are given for isothermal supply air
- For all special requirements, please contact our engineering office.