PS/ASM25-W M (RAL9016)

- Slot diffusers
- Linear
- Aluminium
- White, RAL 9016

White slot diffusers for system ceiling type PS/ASM25-W M (RAL9016)

White linear slot diffusers with adjustable deflector for system ceiling
Always delivered with plenumbox

Brand
- Cairox

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

Material
- Aluminium

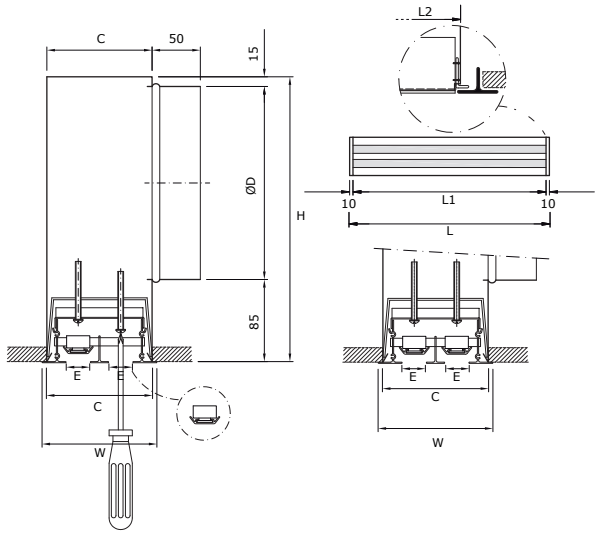
Colour
- Standard colour white, RAL 9016
- Other colours available upon request

Composition
- Diffuser with mounting bridge and removable deflector
- Insulated plenumbox in galvanized steel

Mounting
- Ceilingmounted

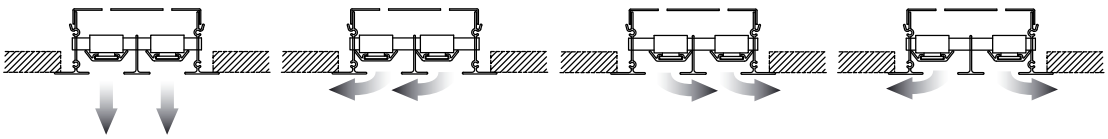
Order example
- **ASM25-W 2 M L=595 + ASM25-CON**

Explanation
ASM25-W = Diffuser type in white finish
2 = Slot quantity
M = With deflector
1500 = Length of diffuser
Accessories (optional)
PR25 2 1500 = Not-insulated plenum box for diffuser of 2 slots with a length of 1500mm
ASM25-CON = Connection piece to mount several diffusers in line



Dimensions									
Type	# SLOTS	L [mm]	L1 [mm]	W [mm]	C [mm]	H [mm]	L2 [mm]	ØD [mm]	E [mm]
PS/ASM25-W 1 M L=595	1	595	575	75	66	260	585	1x 160	25
PS/ASM25-W 1 M L=1195	1	1195	1175	75	66	260	1185	1x 160	25
PS/ASM25-W 2 M L=595	2	595	575	119	110	300	585	1x 200	25
PS/ASM25-W 2 M L=1195	2	1195	1175	119	110	300	1185	1x 200	25
PS/ASM25-W 3 M L=595	3	595	575	163	154	300	585	1x 200	25
PS/ASM25-W 3 M L=1195	3	1195	1175	163	154	300	1185	1x 200	25
PS/ASM25-W 4 M L=595	4	595	575	207	198	350	585	1x 200	25
PS/ASM25-W 4 M L=1195	4	1195	1175	207	198	350	1185	1x 250	25

Flow patterns deflectors



Quick selection									
PS/ASM25-W M		595 - 1	595 - 2	595 - 3	595 - 4	1195 - 1	1195 - 2	1195 - 3	1195 - 4
Q	Ak	0.0064	0.0128	0.0193	0.0257	0.0131	0.0263	0.0394	0.0526
50	Vk	2.2	1.1			1.1			
	X0,25	2.6	2.2			2.2			
	Ps	10	3			3			
	Lw(A)	28	<20			<20			
100	Vk		2.2	1.4	1.1	2.1	1.1		
	X0,25		3.2	2.9	2.6	3.2	2.6		
	Ps		10	4	3	9	3		
	Lw(A)		30	21	<20	29	<20		
150	Vk		3.2	2.2	1.6	3.2	1.6	1.1	
	X0,25		4.2	3.7	3.4	4.2	3.3	2.9	
	Ps		22	10	5	22	5	3	
	Lw(A)		39	30	24	39	24	<20	
200	Vk			2.9	2.2		2.1	1.4	1.1
	X0,25			4.5	4.1		4	3.5	3.2
	Ps			18	10		9	4	3
	Lw(A)			37	31		31	21	<20
250	Vk			3.6	2.7		2.6	1.8	1.3
	X0,25			5.3	4.8		4.7	4.1	3.7
	Ps			28	16		14	7	4
	Lw(A)			43	36		36	27	20
300	Vk				3.2		3.2	2.1	1.6
	X0,25				5.5		5.5	4.7	4.2
	Ps				22		22	9	5
	Lw(A)				41		40	31	25
350	Vk				3.8		3.7	2.5	1.8
	X0,25				6.2		6.2	5.3	4.7
	Ps				31		29	13	7
	Lw(A)				45		44	35	29
400	Vk							2.8	2.1
	X0,25							5.8	5.2
	Ps							17	9
	Lw(A)							38	32
500	Vk							3.5	2.6
	X0,25							7	6.2
	Ps							26	14
	Lw(A)							44	37
600	Vk								3.2
	X0,25								7.2
	Ps								22
	Lw(A)								42

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
- X0.25 = Throw length in m at an endvelocity Vt of 0,25m/s
- Ps = Static pressure loss given in Pa
- Lw(A) = Acoustic power in dB(A)

- The horizontal throw X0.25 is given at an end velocity of 0.25m/s with all deflectors positioned for a maximal horizontal one-way throw installed in smooth ceiling without any obstacles.
- The values are given for isothermal supply air. Throw distances for cooling conditions at -11K can be calculated by deviding 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.
- The pressure losses Ps are given for grilles without damper.
- The acoustic power Lw(A) are given for grilles without 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