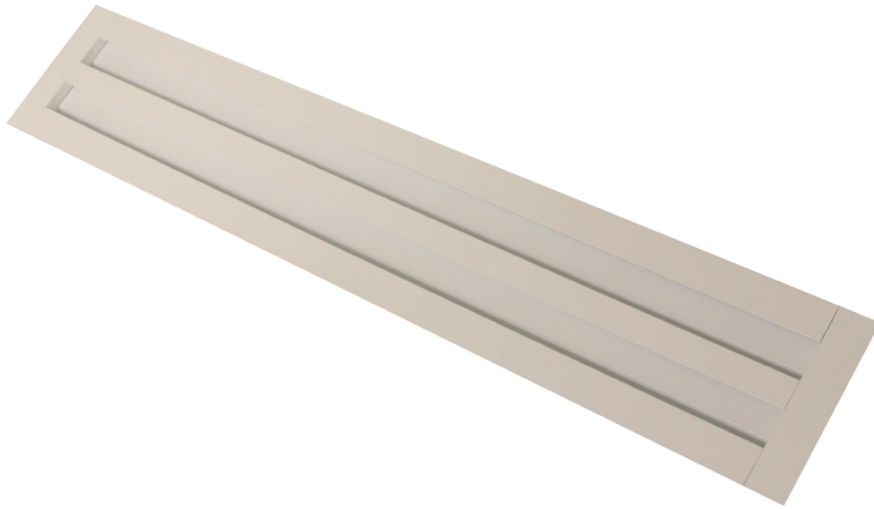


**ASM25-W MD  
(RAL9016)**

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



## White linear slot diffusers type ASM25-W MD (RAL9016)

White linear slot diffusers with adjustable deflector and volume control damper

### 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

### Mounting

- Ceiling mounted

### Accessories

- Non-insulated plenum box, type **PR25**
- 2-sides insulated plenum box, type **PR125**
- Corner piece 90°, type **ASM25-W K90**
- Connection piece, type **ASM25-CON** for in-line mounting

### Text for tender

- The air diffusers are of the linear type with deflector and volume control damper. They are made of aluminium profiles in RAL 9016. The grilles are mounted in insulated or non-insulated galvanized steel plenums with lateral duct connection, suitable for individual as well as continuous mounting.
- **Cairox** type **ASM25-W MD + PR25**

### Order example

- **ASM25-W 2 MD, 1500 + PR25 2 1500 + ASM25-CON**

Explanation

**ASM25-W** = Diffuser type in white finish

**2** = Slot quantity

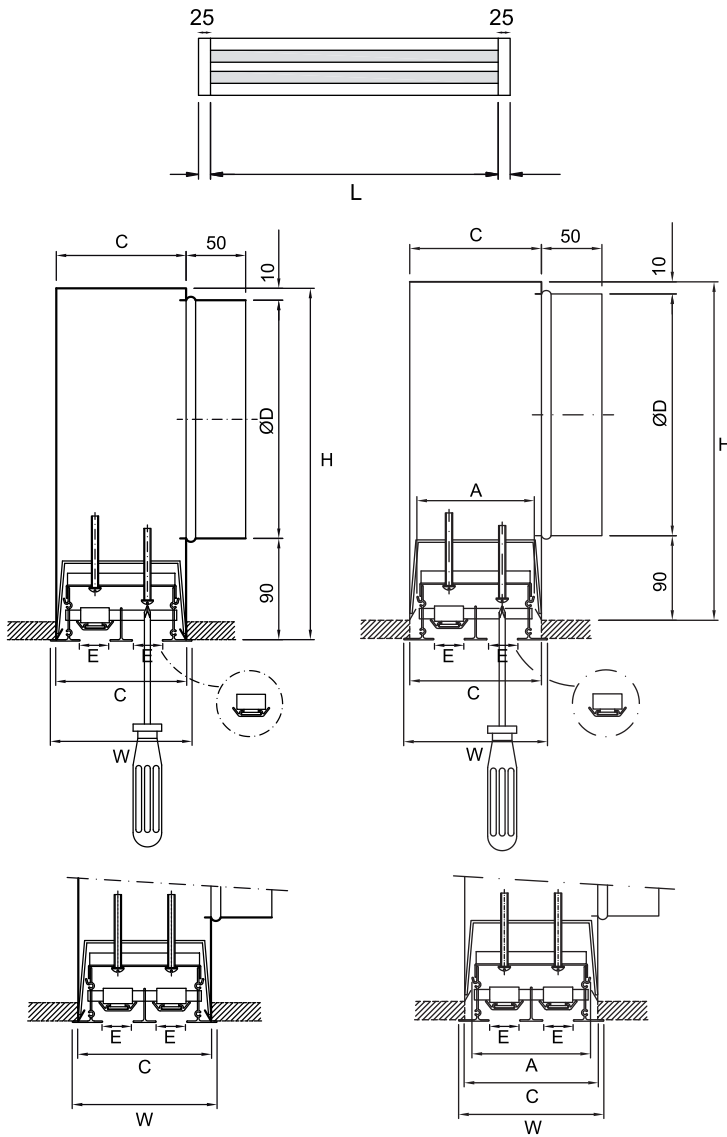
**MD** = With deflector and volume control damper

**1500** = Length of diffuser

Accessories (optional)

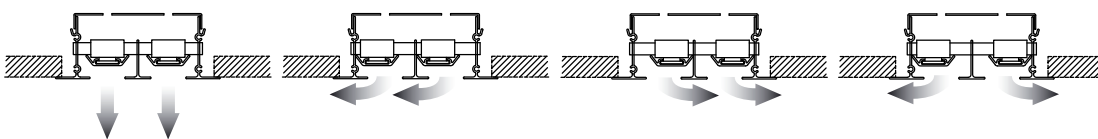
**PR25 2 1500** = Not-insulated plenum box for diffuser of 2 slots with a length of 1500mm

**ASM25-CON** = Connection piece to mount several diffusers in line



	Dimensions					
	C [mm]	A [mm]	H [mm]	W [mm]	ØD [mm]	E [mm]
ASM25-W 1 MD	66	53	260	75	160	25
ASM25-W 2 MD	110	97	300	119	200	25
ASM25-W 3 MD	154	141	300	163	200	25
ASM25-W 4 MD	198	185	350	207	250	25

### Flow patterns deflectors



Quick selection																	
ASM25 M L-#SLOTS		600-1	900-1	1000-1	1200-1 600-2	1500-1	900-2 600-3	2000-1 1000-2	1200-2 600-4	900-3	1500-2 1000-3	1200-3 900-4	2000-2 1000-4	1500-3	1200-4	2000-3 1500-4	2000-4
Q	Ak	0.0067	0.0101	0.0112	0.0134	0.0168	0.0202	0.0224	0.0269	0.0302	0.0336	0.0403	0.0448	0.0504	0.0538	0.0672	0.0896
50	Vk	2.1	1.4	1.2	1												
	X0,25	2.6	2.3	2.3	2.2												
	Ps	9	4	3	2												
	Lw(A)	27	<20	<20	<20												
100	Vk		2.8	2.5	2.1	1.7	1.4	1.2	1								
	X0,25		3.5	3.4	3.2	3	2.8	2.7	2.6								
	Ps		17	13	9	6	4	3	2								
	Lw(A)		35	33	29	24	<20	<20	<20								
150	Vk			3.7	3.1	2.5	2.1	1.9	1.6	1.4	1.2	1					
	X0,25			4.5	4.2	3.9	3.6	3.5	3.3	3.2	3.1	2.9					
	Ps			29	21	13	9	8	5	4	3	2					
	Lw(A)			43	39	34	30	27	23	20	<20	<20					
200	Vk					3.3	2.8	2.5	2.1	1.8	1.7	1.4	1.2	1.1	1		
	X0,25					4.8	4.4	4.3	4	3.8	3.7	3.5	3.4	3.3	3.2		
	Ps					23	17	13	9	7	6	4	3	3	2		
	Lw(A)					41	36	34	30	27	25	21	<20	<20	<20		
250	Vk						3.4	3.1	2.6	2.3	2.1	1.7	1.6	1.4	1.3	1	
	X0,25						5.3	5	4.7	4.5	4.3	4.1	3.9	3.8	3.7	3.4	
	Ps						25	21	14	11	9	6	5	4	4	2	
	Lw(A)						42	40	35	33	30	26	24	21	20	<20	
300	Vk							3.7	3.1	2.8	2.5	2.1	1.9	1.7	1.6	1.2	
	X0,25							5.8	5.4	5.2	5	4.6	4.5	4.3	4.2	3.9	
	Ps							29	21	17	13	9	8	6	5	3	
	Lw(A)							44	40	37	35	31	28	26	24	<20	
350	Vk								3.6	3.2	2.9	2.4	2.2	1.9	1.8	1.4	1.1
	X0,25								6.1	5.8	5.6	5.2	5	4.8	4.7	4.3	3.9
	Ps								28	22	18	12	10	8	7	4	3
	Lw(A)								44	41	39	35	32	30	28	23	<20
400	Vk									3.7	3.3	2.8	2.5	2.2	2.1	1.7	1.2
	X0,25									6.5	6.2	5.8	5.6	5.3	5.2	4.8	4.3
	Ps									29	23	17	13	10	9	6	3
	Lw(A)									44	42	38	35	33	31	26	<20
500	Vk											3.4	3.1	2.8	2.6	2.1	1.6
	X0,25											6.9	6.6	6.3	6.2	5.6	5
	Ps											25	21	17	14	9	5
	Lw(A)											43	41	38	37	32	25
600	Vk													3.3	3.1	2.5	1.9
	X0,25													7.4	7.2	6.5	5.8
	Ps													23	21	13	8
	Lw(A)													43	41	36	30
800	Vk															3.3	2.5
	X0,25															8.3	7.4
	Ps															23	13
	Lw(A)															43	37

### Symbols and specifications

- Q = Air Volume in m<sup>3</sup>/h
  - Ak = Effective surface (free area) in m<sup>2</sup>
  - 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

