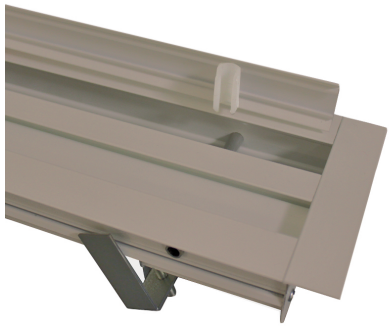
ASM25 MD (ALU)

- Slot diffusers
- Linear
- Aluminium
- Anodized natural finish



Aluminium linear slot diffusers type ASM25 MD (ALU)

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
- Anodized natural finish

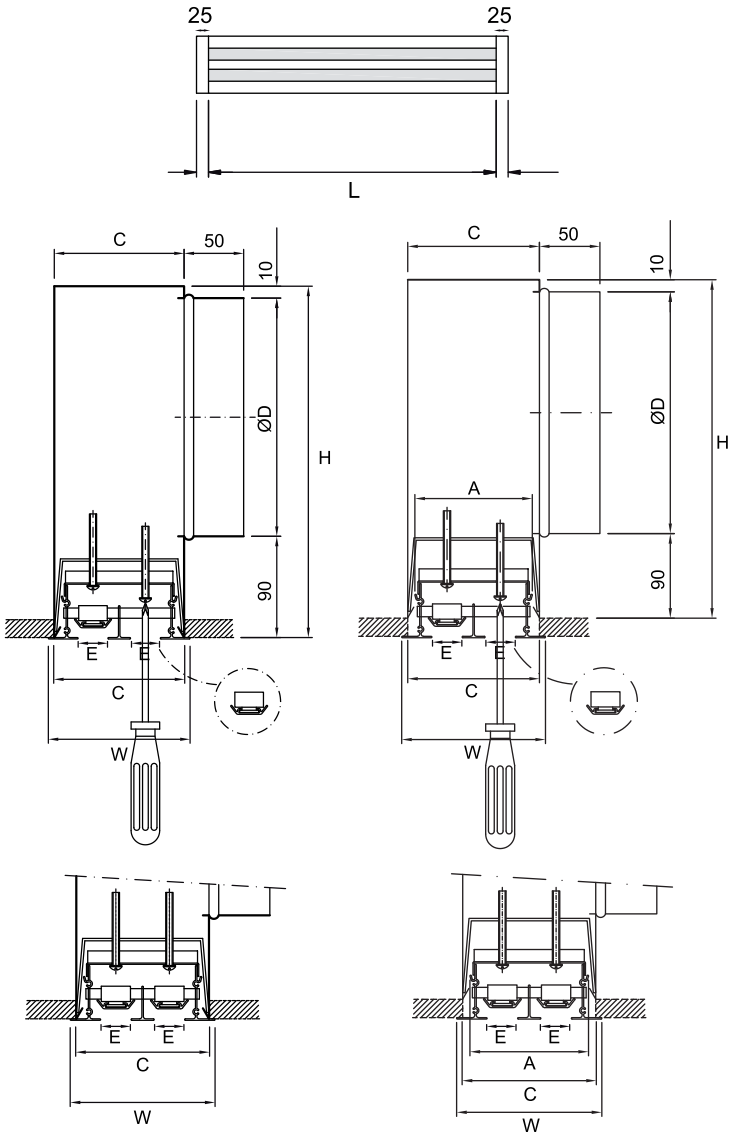
Mounting
- Ceiling mounted

Accessories
- Non-insulated plenum box, type **PR25**
- 2-sides insulated plenum box, type **PRI25**
- Corner piece 90°, type **ASM25 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 natural finish. 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 MD** + **PR25**

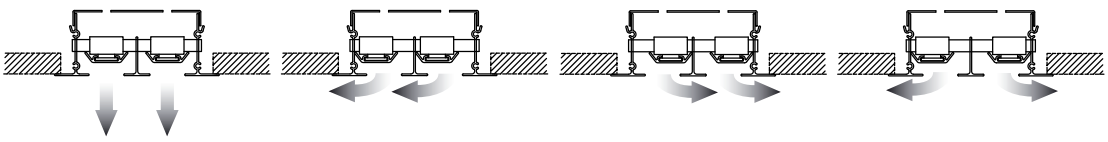
Order example
- **ASM25 2 MD, 1500 + PR25 2 1500 + ASM25-CON**

Explanation
ASM25 = Diffuser type
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 1 MD	66	53	260	75	160	25
ASM25 2 MD	110	97	300	119	200	25
ASM25 3 MD	154	141	300	163	200	25
ASM25 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 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