

- Slot diffusers
- Linear
- Plaster
- Natural finish/white



Linear gypsum design diffusers type GYP-LINE 18

Elegant and invisible linear diffuser in plaster

Brand

- CAIROX - Ventmann

Application

- For air extraction in ventilation systems
- Suitable for rooms where a modern aesthetic look is desired such as bathrooms, hotel rooms, retail, etc.

Material

- Plaster

Colour

- Standard colour white plaster
- Paintable

Composition

- Diffuser:
 - Diffuser made of gypsum composite and mounted on a steel frame
 - Fastened to the plenum with hidden screws
- Diffuser ends:
 - Gypsum composite ends equipped with a magnet
 - Removable ends allow assembly of several linear diffusers next to each other
- Plenumbox:
 - Galvanized steel
 - Pre-cut plenum box for installation of one or more spigots (to be purchased separately)

Accessories

- Acoustic insulated plenum box, type **LINE-BOX** size A or B
- Thermally insulated plenum box with mounting wings, type **WING-BOX-I** size A or B

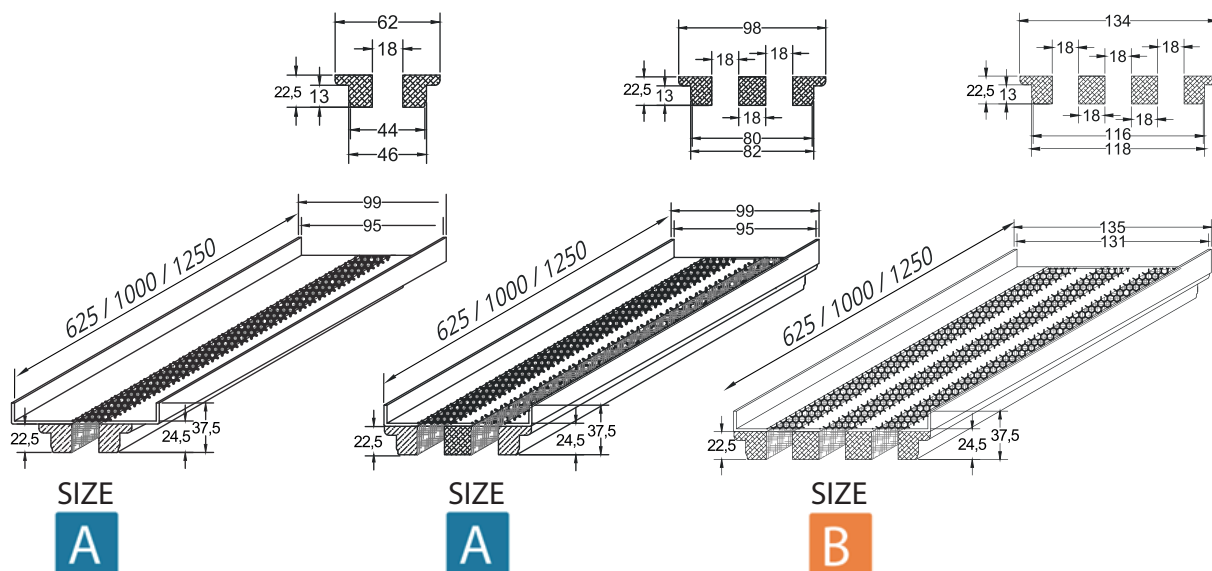
Text for tender

- The GYP-LINE diffuser is an elegant and flexible interior design solution made out of gypsum composite. With this model, you can create striking and unique interior elements. Or you can make the diffusers virtually invisible.
- The GYP-LINE diffuser is available with varying numbers of slots and in varying sizes. The diffusers are to be plastered in and are created to be virtually "invisible". By contrast, you can also make the diffusers a design feature. For example, our LINE diffusers can be used as imitations to create a continuous line without any breaks.
- This model is engineered for practical purposes. These diffusers, like all of our models, can be painted using the same paint as the other surfaces in the room. This means there are no frames and the diffusers are seamlessly and elegantly integrated. The connections used are simple and inobtrusive, and our LINE model does not require lowering of the ceiling height.

The standard GYP-LINE diffuser is available:
In 1-slot, 2-slot or 3-slot versions
In standard lengths of 625mm, 1000mm and 1250mm
With slot width of either 12mm or 18mm

ADVANTAGES

- Perfect and invisible architectural integration
- Modern and elegant design
- Frameless integration of the diffuser with the ceiling
- Continuous band

■ **CAIROX type GYP-LINE****Order example**■ **GYP-LINE 18 - 2 - L=1000 mm - B****Explanation****GYP-LINE 18** = Diffuser type**2** = Number of slots**1000** = Diffuser length**B** = compatible with size B plenum box

Quick selection										
GYP-LINE 18	L - slot	625 -1	625-2	625-3	1000 -1	1000-2	1000-3	1250 -1	1250-2	1250-3
Q	Ak	0.0067	0.0134	0.02	0.0107	0.0214	0.0321	0.0135	0.027	0.0405
60	Vk	2.5								
	Y0,25	1.8								
	Pt	4								
	Lp(A)	<20								
80	Vk	3.3	1.7							
	Y0,25	2.4	1.6							
	Pt	6	2							
	Lp(A)	<20	<20							
100	Vk	4.1	2.1		2.6					
	Y0,25	2.9	2		1.8					
	Pt	9	3		4					
	Lp(A)	<20	<20		<20					
160	Vk	6.6	3.3	2.2	4.2			3.3		
	Y0,25	4.7	3.1	1.4	2.8			2.6		
	Pt	21	5	3	6			2		
	Lp(A)	<20	<20	<20	<20			<20		
200	Vk	8.3	4.1	2.8	5.2	2.6		4.1	2.1	
	Y0,25	5.9	3.9	1.8	3.5	2		3.3	1.7	
	Pt	36	9	4	9	3		5	2	
	Lp(A)	23	<20	<20	<20	<20		<20	<20	
300	Vk	12.4	6.2	4.2	7.8	3.9	2.6	6.2	3.1	
	Y0,25	8.8	5.9	2.6	5.3	3	2.2	4.9	2.5	
	Pt	82	24	10	19	6	3	12	4	
	Lp(A)	32	<20	<20	24	<20	<20	<20	<20	
400	Vk		8.3	5.6	10.4	5.2	3.5	8.2	4.1	2.7
	Y0,25		7.8	3.5	7	4	2.9	6.6	3.3	2.4
	Pt		44	17	37	10	6	22	7	3
	Lp(A)		26	<20	30	<20	<20	26	<20	<20
500	Vk		10.4	6.9	13	6.5	4.3	10.3	5.1	3.4
	Y0,25		9.8	4.4	8.8	5	3.6	8.2	4.2	2.9
	Pt		70	27	61	17	9	33	12	5
	Lp(A)		31	24	35	23	<20	31	<20	<20
600	Vk			8.3	15.6	7.8	5.2	12.3	6.2	4.1
	Y0,25			5.3	10.5	5.9	4.4	9.8	5	3.5
	Pt			37	92	26	13	48	17	7
	Lp(A)			28	39	27	<20	35	23	<20
700	Vk			9.7		9.1	6.1	14.4	7.2	4.8
	Y0,25			6.1		6.9	5.1	11.5	5.8	4.1
	Pt			50		37	19	67	24	10
	Lp(A)			32		30	23	38	26	<20
800	Vk					10.4	6.9	16.5		5.5
	Y0,25					7.9	5.8	13.1		4.7
	Pt					49	26	95		13
	Lp(A)					33	26	41		22
900	Vk					11.7				6.2
	Y0,25					8.9				5.3
	Pt					63				16
	Lp(A)					36				25
1000	Vk					13				6.9
	Y0,25					9.9				5.9
	Pt					80				20
	Lp(A)					38				27

Symbols and specifications

- Q = Air flow rate in m³/h
- Ak = Effective surface (free area) in m²
- Vk = Average effective velocity through the grill in m/s
- Y0,25 = Reach in m at an end velocity Vt of 0,25m/s
- Pt = Total pressure difference (Pa)
- Lp(A) = Sound pressure at 1m distance in dB(A)



