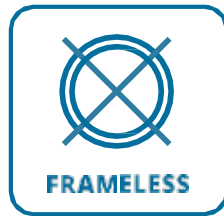


# LINE





**FRAMELESS**



**PLASTERED - IN**



**PAINTABLE**



The Ventmann LINE vent diffuser is an elegant and flexible interior design solution. With this model, you can create strikingly unique interior elements. Or you can make the diffusers virtually invisible. It is your choice.

The Ventmann LINE vent diffuser is available with varying numbers of slots, and in varying sizes. The SLIM version is ideal if you aim to have the diffusers 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 is a model that is engineered for practicality. 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 unobtrusive, and our LINE model does not require lowering of the ceiling height.

The Ventmann LINE vent diffuser is also versatile. It can be adapted in a range of different ways to suit your project's needs. Our standard LINE vent diffuser is available:

- In 1-slot, 2-slot or 3-slot versions
- In standard lengths of 625mm, 1000mm and 1250mm
- With slot widths of either 12mm or 18mm.

If your project requires non-standard solutions or specific dimensions, we are happy to help.

To see just how easy it is to install the Ventmann LINE vent diffuser, have a look at our product showcase video.

And our catalogue contains all of the technical information about this model, so you can explore all of its possibilities and see how it would fit with your project.



**LINE / PLINE**



**CIRCLE / PCIRCLE**



**SQUARE**



**ART**



Installation:  
video instructions




Download a digital  
version of the catalog



Download

# LINE SERIES TECHNICAL PARAMETERS

## SUPPLY

m³/h	dim (mm)	625 1 18	625 1 18D	625 2 18	625 2 18D	625 3 18	625 3 18D	1000 1 18	1000 1 18	1000 2 18	1000 2 18	1000 3 18	1000 3 18	1250 1 18
	Ak (m²)	0,0067	0,00579	0,0134	0,01158	0,02	0,0173	0,0107	0,00926	0,0214	0,0185	0,0321	0,0278	0,0135
60	X (m)	1,8	2		1,3				1,2					
	Pt (Pa)	4	10		3				3					
	SPLA (dB (A))	<20	<20		<20				<20					
80	X (m)	2,4	2,7	1,6	1,8		0,8		1,6					
	Pt (Pa)	6	15	2	5		3		8					
	SPLA (dB (A))	<20	<20	<20	<20		<20		<20					
100	X (m)	2,9	3,3	2	2,2		1	1,8	2		1,2			
	Pt (Pa)	9	23	3	9		4	4	13		2			
	SPLA (dB (A))	<20	<20	<20	<20		<20	<20	<20		<20			
160	X (m)	4,7	5,3	3,1	3,6	1,4	1,6	2,8	3,1		1,9		1,3	2,6
	Pt (Pa)	21	59	5	21	3	10	6	30		9		2	2
	SPLA (dB (A))	<20	21	<20	<20	<20	<20	<20	<20		<20		<20	<20
200	X (m)	5,9	6,7	3,9	4,4	1,8	2	3,5	3,9	2	2,4		1,6	3,3
	Pt (Pa)	36	93	9	31	4	15	9	47	3	15		5	5
	SPLA (dB (A))	23	26	<20	<20	<20	<20	<20	<20	<20	<20		<20	<20
300	X (m)	8,8		5,9	6,7	2,6	3	5,3	5,9	3	3,6	2,2	2,4	4,9
	Pt (Pa)	82		24	72	10	35	19	105	6	32	3	16	12
	SPLA (dB (A))	32		<20	22	<20	<20	24	26	<20	<20	<20	<20	<20
400	X (m)			7,8		3,5	4	7		4	4,8	2,9	3,2	6,6
	Pt (Pa)			44		17	60	37		10	55	6	27	22
	SPLA (dB (A))			26		<20	22	30		<20	21	<20	<20	26
500	X (m)			9,8		4,4	5	8,8		5	6	3,6	4	8,2
	Pt (Pa)			70		27	90	61		17	85	9	41	33
	SPLA (dB (A))			31		24	27	35		23	25	<20	<20	31
600	X (m)					5,3		10,5		5,9		4,4	4,8	9,8
	Pt (Pa)					37		92		26		13	60	48
	SPLA (dB (A))					28		39		27		<20	22	35
700	X (m)					6,1				6,9		5,1	5,6	11,5
	Pt (Pa)					50				37		19	82	67
	SPLA (dB (A))					31				30		23	26	38
800	X (m)									7,9		5,8		13,1
	Pt (Pa)									49		26		95
	SPLA (dB (A))									33		26		41
900	X (m)									8,9				
	Pt (Pa)									63				
	SPLA (dB (A))									36				
1000	X (m)									9,9				
	Pt (Pa)									80				
	SPLA (dB (A))									38				

D - deflector for 18mm only

X (m) - Throw distance (0,25 m/s)

SPLA (dB(A)) - Sound pressure level at 1m distance

Ak (m²) - effective area

Pt (Pa) - Pressure drop in the diffuser

from the diffuser

	Green	Yellow	Red
X (m)	When short throw distance is needed	When average throw distance is needed	When bigger throw distance is needed
Pa	Where low pressure drop is required	Where medium pressure drop is suitable	Where big pressure drop is suitable
SPLA	Rooms with no ambient noise (Bedroom)	Rooms with medium ambient noise (Lobby)	Rooms with ambient noise (Office room)

\* IMPORTANT: This information is for guidance only, please consult your HVAC professional for you specific requirements.

m³/h	dim (mm)	1250 1 18D	1250 2 18	1250 2 18D	1250 3 18	1250 3 18D	625 1 12	625 2 12	625 3 12	1000 1 12	1000 2 12	1000 3 12	1250 1 12	1250 2 12	1250 3 12
	Ak (m²)	0,01162	0,027	0,0232	0,0405	0,03486	0,00444	0,00888	0,0133	0,0071	0,0142	0,0213	0,0144	0,0288	0,0432
60	X (m)	1,1					1,8								
	Pt (Pa)	2					4								
	SPLA (dB (A))	<20					<20								
80	X (m)	1,5					2,4	1,2		1,4					
	Pt (Pa)	5					7	3		2					
	SPLA (dB (A))	<20					<20	<20		<20					
100	X (m)	1,9					3	1,4		1,7					
	Pt (Pa)	9					11	4		4					
	SPLA (dB (A))	<20					<20	<20		<20					
160	X (m)	3		1,5			4,8	2,3	2,1	2,8	1,6		2,4		
	Pt (Pa)	20		6			29	11	5	10	2		5		
	SPLA (dB (A))	<20		<20			25	<20	<20	<20	<20		<20		
200	X (m)	3,8	1,7	1,9			6,1	2,9	2,6	3,4	2		3	1,9	
	Pt (Pa)	30	2	9			45	18	7	15	4		9	3	
	SPLA (dB (A))	<20	<20	<20			30	<20	<20	22	<20		<20	<20	
300	X (m)	5,7	2,5	2,9		2,2	9,1	4,3	3,9	5,2	3	1,9	4,5	2,8	2,4
	Pt (Pa)	65	4	20		9	95	38	17	34	11	5	20	6	4
	SPLA (dB (A))	22	<20	<20		<20	39	27	20	31	<20	<20	<20	<20	<20
400	X (m)		3,3	3,8	2,4	2,9		5,8	5,3	6,9	4	2,5	6,1	3,7	3,2
	Pt (Pa)		7	35	3	16		72	29	62	20	10	35	11	6
	SPLA (dB (A))		<20	<20	<20	<20		33	26	37	25	<20	25	<20	<20
500	X (m)		4,2	4,8	2,9	3,7			6,6	8,6	5	3,1	7,6	4,6	4
	Pt (Pa)		12	54	5	26			45	95	30	17	52	18	10
	SPLA (dB (A))		<20	22	<20	<20			31	42	30	23	30	<20	<20
600	X (m)		5	5,7	3,5	4,4			7,9		6	3,8	9,1	5,6	4,8
	Pt (Pa)		17	75	7	36			64		45	25	76	27	15
	SPLA (dB (A))		23	25	<20	<20			35		34	27	34	22	<20
700	X (m)		5,8		4,1	5,1			9,2		7	4,4		6,5	5,6
	Pt (Pa)		24		10	50			95		65	35		37	22
	SPLA (dB (A))		26		<20	22			38		37	30		25	<20
800	X (m)				4,7	5,9					8	5		7,4	6,3
	Pt (Pa)				13	67					88	46		49	30
	SPLA (dB (A))				22	25					40	33		28	21
900	X (m)				5,3	6,6						5,7		8,3	7,1
	Pt (Pa)				16	85						60		63	40
	SPLA (dB (A))				25	27						36		31	23
1000	X (m)				5,9	7,4						6,3			7,9
	Pt (Pa)				20	115						75			52
	SPLA (dB (A))				27	29						38			26

# LINE SERIES TECHNICAL PARAMETERS

## EXHAUST

m³/h	dim (mm)	625 1 18	625 2 18	625 3 18	1000 1 18	1000 2 18	1000 3 18	1250 1 18	1250 2 18	1250 3 18
	Ak (m²)	0,0067	0,0134	0,02	0,0107	0,0214	0,0321	0,0135	0,027	0,0405
60	Pt (Pa)	2	1							
	SPLA (dB (A))	<20	<20							
80	Pt (Pa)	4	2							
	SPLA (dB (A))	<20	<20							
100	Pt (Pa)	6	2	2	2					
	SPLA (dB (A))	<20	<20	<20	<20					
160	Pt (Pa)	16	4	4	5			2		
	SPLA (dB (A))	<20	<20	<20	<20			<20		
200	Pt (Pa)	25	6	7	8			4		
	SPLA (dB (A))	23	<20	<20	<20			<20		
300	Pt (Pa)	60	14	12	18	3		11	3	
	SPLA (dB (A))	32	<20	<20	24	<20		<20	<20	
400	Pt (Pa)	105	24	17	33	6	4	20	5	2
	SPLA (dB (A))	38	26	<20	30	<20	<20	26	<20	<20
500	Pt (Pa)		37	24	51	10	5	30	8	3
	SPLA (dB (A))		31	24	35	23	<20	31	<20	<20
600	Pt (Pa)		56	33	80	15	7	42	12	4
	SPLA (dB (A))		35	28	39	27	<20	35	23	<20
700	Pt (Pa)					21	9	58	16	6
	SPLA (dB (A))					30	23	38	26	<20
800	Pt (Pa)					28	12	80	22	8
	SPLA (dB (A))					33	26	41	29	22
900	Pt (Pa)						15			11
	SPLA (dB (A))						29			25
1000	Pt (Pa)									14
	SPLA (dB (A))									27

D - deflector for 18mm only

Ak (m²) - effective area

Pt (Pa) - Pressure drop in the diffuser

SPLA (dba) - Sound pressure level at 1m distance from the diffuser

	Green	Yellow	Red
X (m)	When short throw distance is needed	When average throw distance is needed	When bigger throw distance is needed
Pa	Where low pressure drop is required	Where medium pressure drop is suitable	Where big pressure drop is suitable
SPLA	Rooms with no ambient noise (Bedroom)	Rooms with medium ambient noise (Lobby)	Rooms with ambient noise (Office room)

\* IMPORTANT: This information is for guidance only, please consult your HVAC professional for you specific requirements.

m <sup>3</sup> /h	dim (mm)	625 1 12	625 2 12	625 3 12	1000 1 12	1000 2 12	1000 3 12	1250 1 12	1250 2 12	1250 3 12
	Ak (m <sup>2</sup> )	0,00444	0,00888	0,0133	0,0071	0,0142	0,0213	0,0144	0,0288	0,0432
60	Pt (Pa)	4								
	SPLA (dB (A))	<20								
80	Pt (Pa)	6								
	SPLA (dB (A))	<20								
100	Pt (Pa)	10	3		3					
	SPLA (dB (A))	<20	<20		<20					
160	Pt (Pa)	25	7	4	8			3		
	SPLA (dB (A))	25	<20	<20	<20			<20		
200	Pt (Pa)	39	12	5	13	4		6	2	
	SPLA (dB (A))	30	<20	<20	22	<20		<20	<20	
300	Pt (Pa)	84	28	10	30	9	4	16	4	2
	SPLA (dB (A))	39	27	20	31	<20	<20	<20	<20	<20
400	Pt (Pa)		49	19	56	16	8	29	7	4
	SPLA (dB (A))		33	26	37	25	<20	25	<20	<20
500	Pt (Pa)		77	30	88	26	12	45	11	6
	SPLA (dB (A))		38	31	42	30	23	30	<20	<20
600	Pt (Pa)			45		37	18	65	17	9
	SPLA (dB (A))			35		34	27	34	22	<20
700	Pt (Pa)					52	25	93	25	13
	SPLA (dB (A))					37	30	37	25	<20
800	Pt (Pa)					72	33		34	18
	SPLA (dB (A))					40	33		28	21
900	Pt (Pa)						42		45	24
	SPLA (dB (A))						36		31	23
1000	Pt (Pa)						53			31
	SPLA (dB (A))						38			26

# LINE 1/12



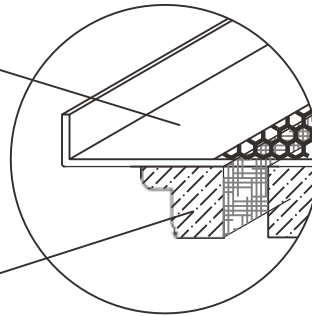
1 AMOUNT OF SLOTS      12 mm WIDTH OF SLOT

2.5 kg  
1 M. LENGTH DIFFUSER WEIGHT  
WITHOUT PACKAGING (NET)

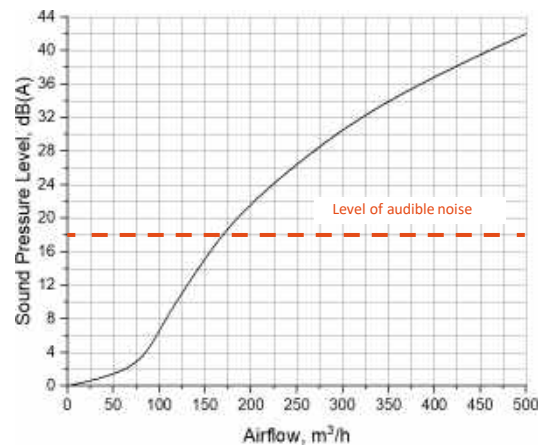
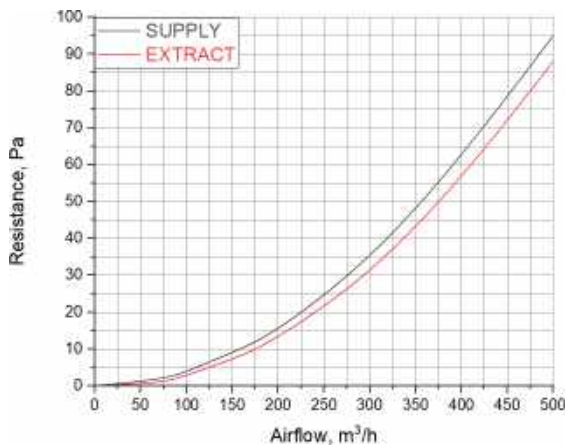
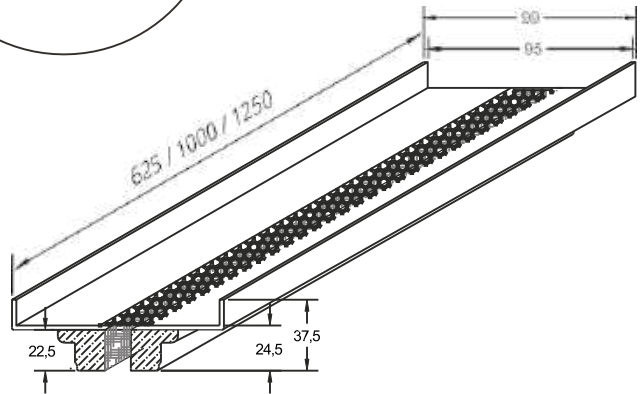
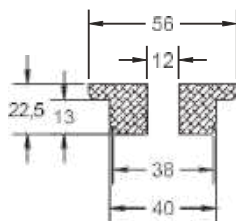
625 / 1000 / 1250  
STANDARD SLOT LENGTH (MM)

**A** PLENUM BOX  
CONNECTION TYPE

Steel punched sheet. Distributes the air supply through the diffuser.



Gypsum mix segment. Sanded, puttied, painted. Suitable for all operations in combination with surface finishing



**Note:** Data charts reflect measurements for the 1 m length model.



# LINE 1/18



**1** AMOUNT OF SLOTS  
**18 mm** WIDTH OF SLOT

**2.5 kg**  
 1 M. LENGTH DIFFUSER WEIGHT  
 WITHOUT PACKAGING (NET)

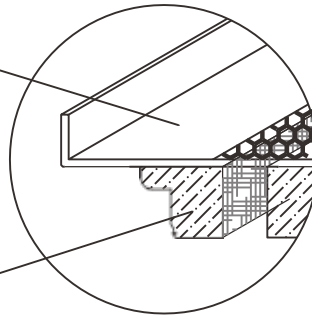
**625 / 1000 / 1250**  
 STANDARD SLOT LENGTH (MM)

**OPTIONAL:**  
**Deflector**

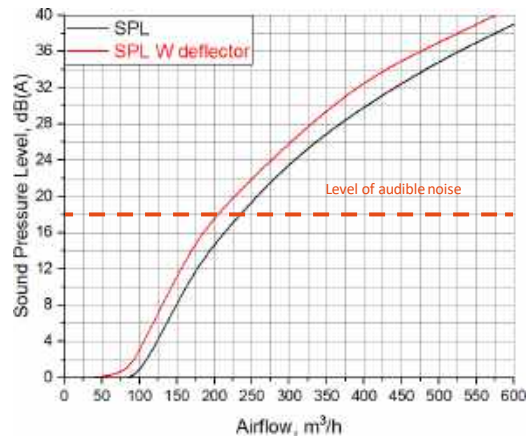
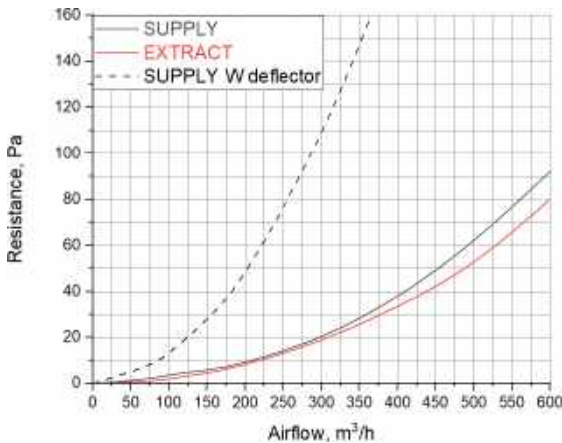
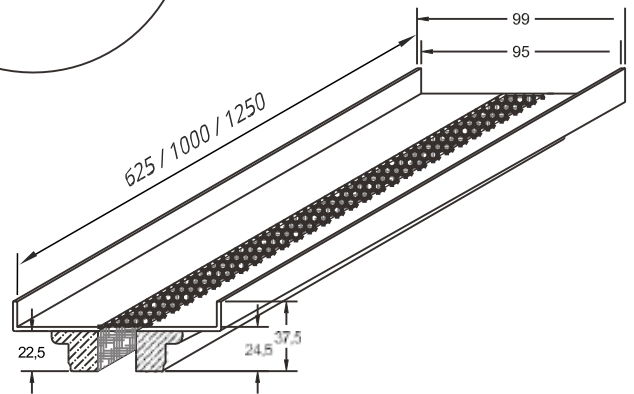
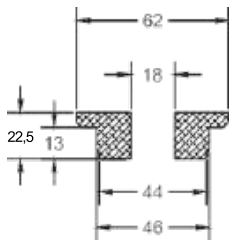
SPECIAL CONSTRUCTION, CAN BE  
 ADDED ANYTIME LATER

**A** PLENUM BOX  
 CONNECTION TYPE

Steel punched sheet. Distributes the air supply  
 through the diffuser.



Gypsum mix segment. Sanded, puttied,  
 painted. Suitable for all operations in  
 combination with surface finishing



**Note:** Data charts reflect measurements for the 1 m length model.



# LINE 2/12



2 AMOUNT OF SLOTS      12 mm WIDTH OF SLOT

2.735 kg

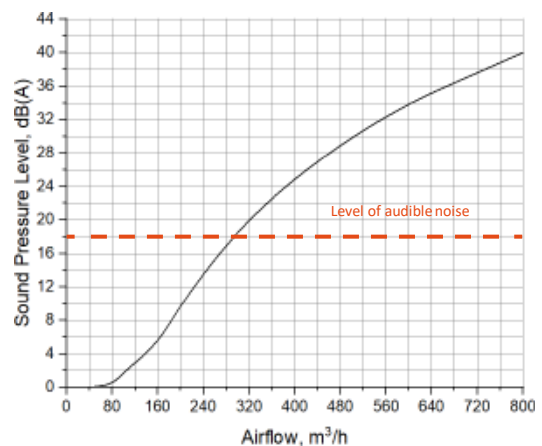
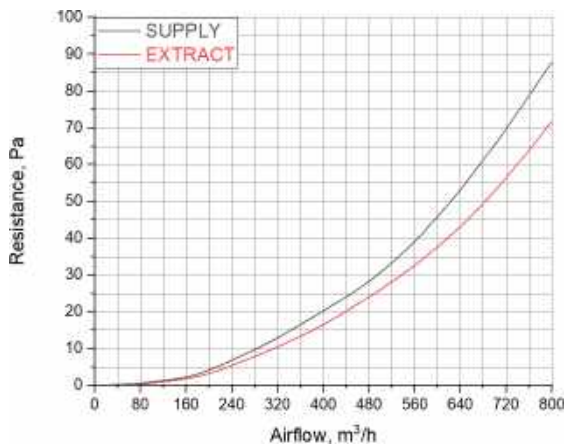
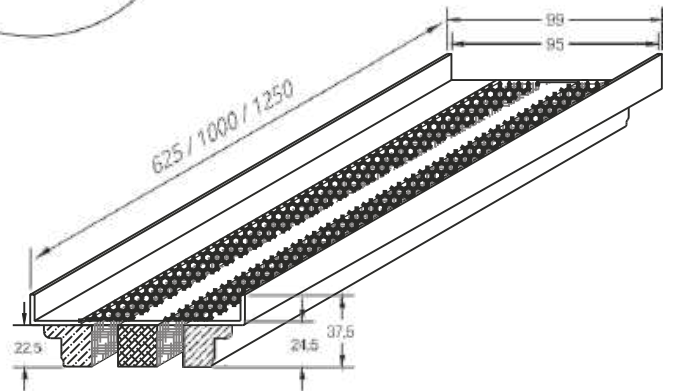
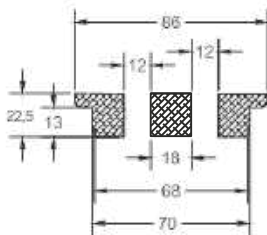
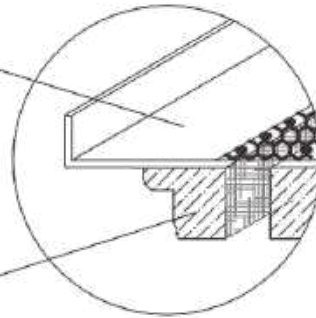
1 M. LENGTH DIFFUSER WEIGHT WITHOUT PACKAGING (NET)

625 / 1000 / 1250 STANDARD SLOT LENGTH (MM)

**A** PLENUM BOX CONNECTION TYPE

Steel punched sheet. Distributes the air supply through the diffuser.

Gypsum mix segment. Sanded, puttied, painted. Suitable for all operations in combination with surface finishing



Note: Data charts reflect measurements for the 1 m length model.

# LINE 2/18



2 AMOUNT OF SLOTS      18 mm WIDTH OF SLOT

2.735 kg  
1 M. LENGTH DIFFUSER WEIGHT  
WITHOUT PACKAGING (NET)

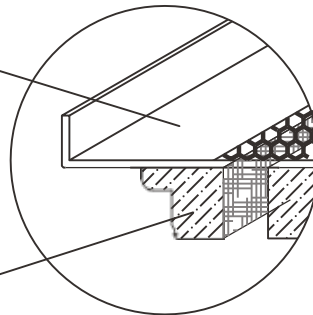
625 / 1000 / 1250  
STANDARD SLOT LENGTH (MM)

OPTIONAL:  
**Deflector**

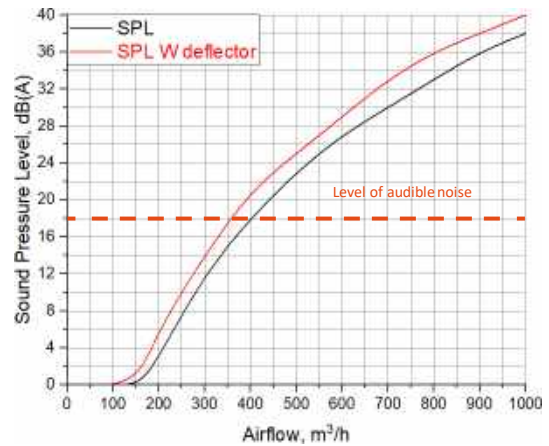
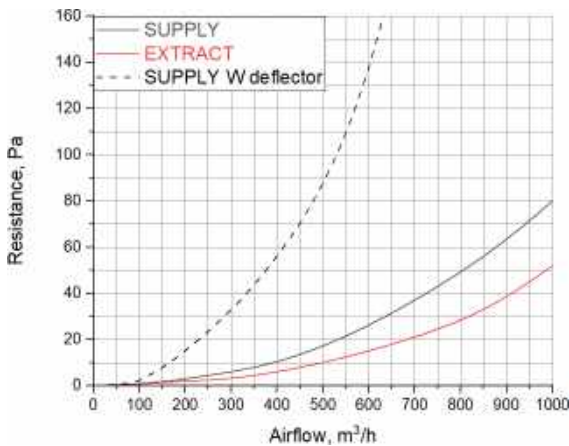
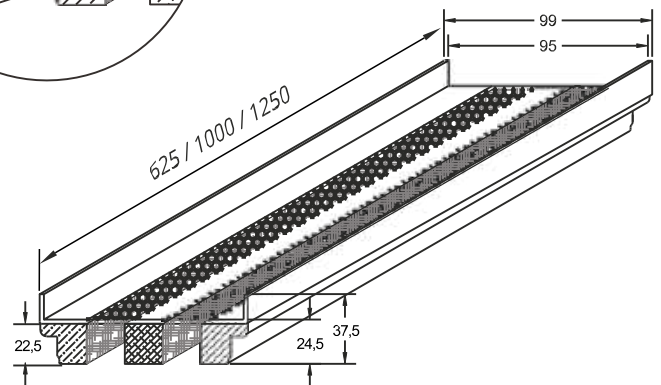
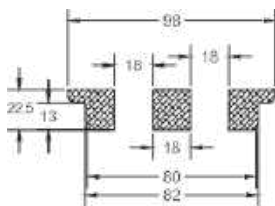
SPECIAL CONSTRUCTION, CAN BE  
ADDED ANYTIME LATER

**A** PLENUM BOX  
CONNECTION TYPE

Steel punched sheet. Distributes the air supply  
through the diffuser.



Gypsum mix segment. Sanded, puttied,  
painted. Suitable for all operations in  
combination with surface finishing



Note: Data charts reflect measurements for the 1 m length model.

# LINE 3/12



**3** AMOUNT OF SLOTS      **12 mm** WIDTH OF SLOT

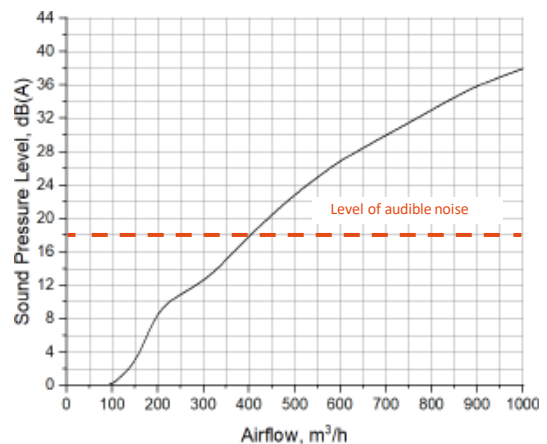
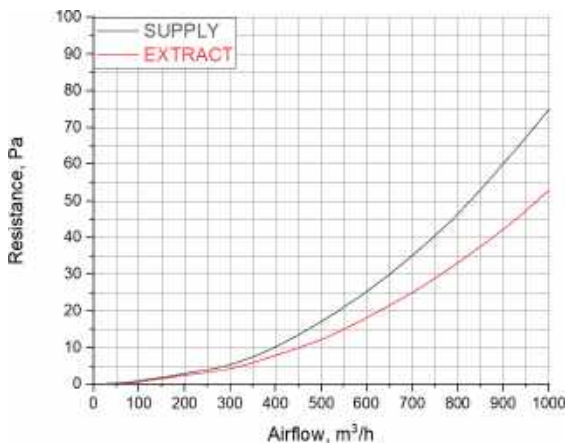
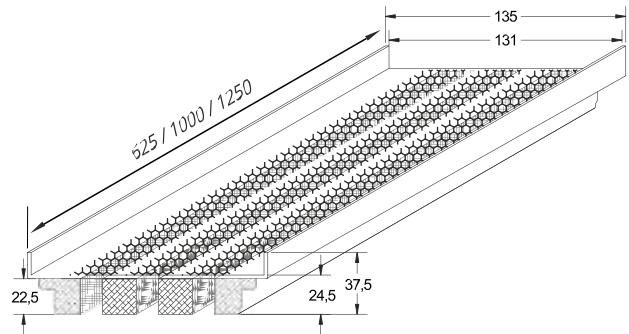
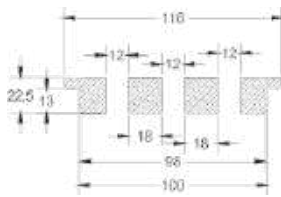
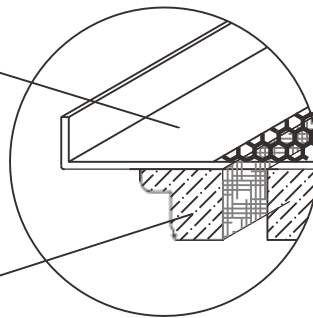
**4.085 kg**  
1 M. LENGTH DIFFUSER WEIGHT  
WITHOUT PACKAGING (NET)

**625 / 1000 / 1250**  
STANDARD SLOT LENGTH (MM)

**B** PLENUM BOX  
CONNECTION TYPE

Steel punched sheet. Distributes the air supply through the diffuser.

Gypsum mix segment. Sanded, puttied, painted. Suitable for all operations in combination with surface finishing



**Note:** Data charts reflect measurements for the 1 m length model.

# LINE 3/18



**3** AMOUNT OF SLOTS      **18 mm** WIDTH OF SLOT

**4.085 kg**  
1 M. LENGTH DIFFUSER WEIGHT  
WITHOUT PACKAGING (NET)

**625 / 1000 / 1250**  
STANDARD SLOT LENGTH (MM)

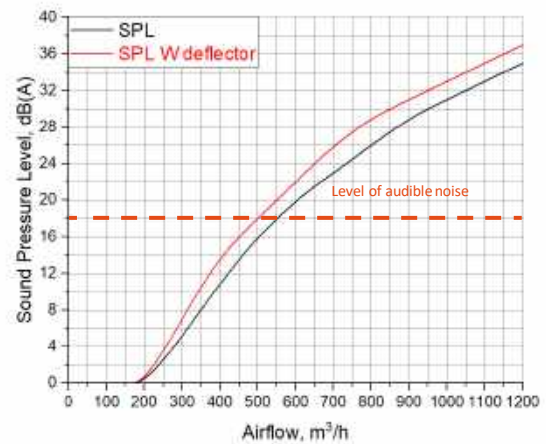
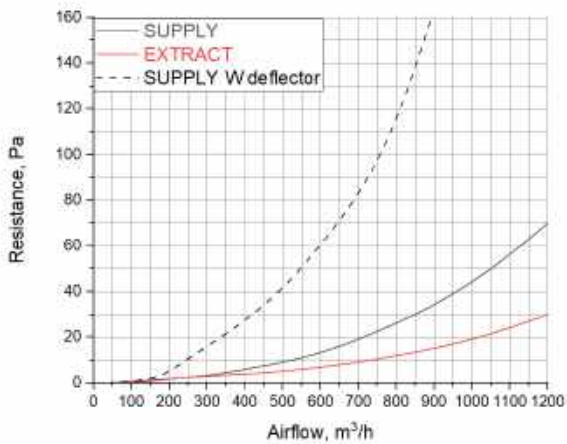
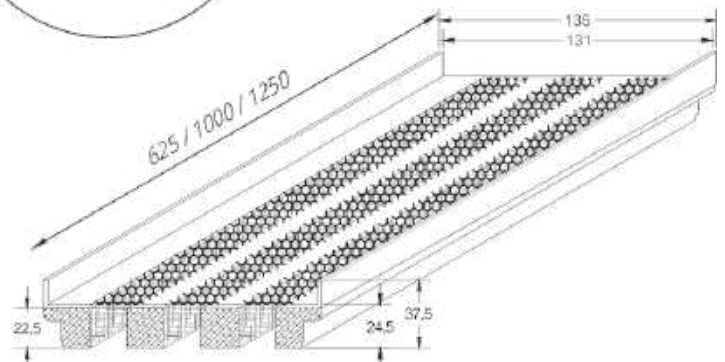
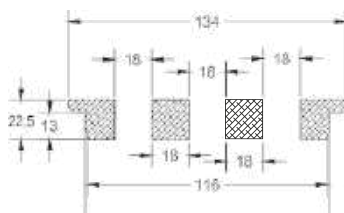
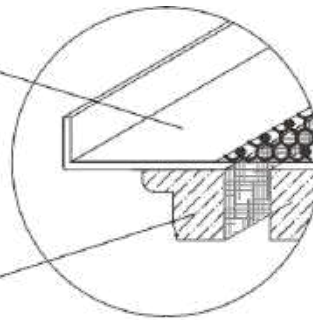
**OPTIONAL:**  
**Deflector**

SPECIAL CONSTRUCTION, CAN BE  
ADDED ANYTIME LATER

**B** PLENUM BOX  
CONNECTION TYPE

Steel punched sheet. Distributes the air supply  
through the diffuser.

Gypsum mix segment. Sanded, puttied,  
painted. Suitable for all operations in  
combination with surface finishing



**Note:** Data charts reflect measurements for the 1 m length model.