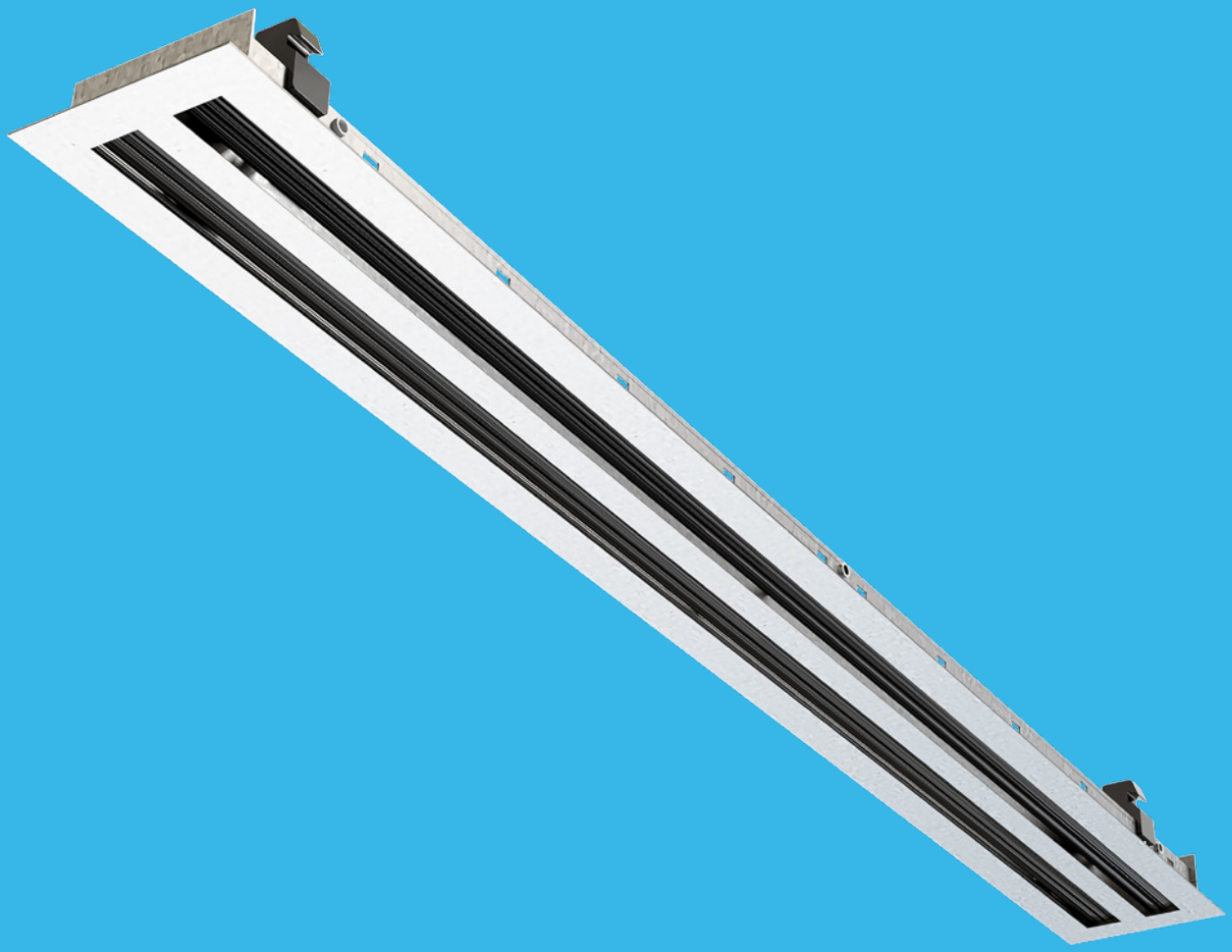


LTD

Slot diffuser

Slot diffuser

LTD

Description

LTD is a linear slot diffuser made of aluminium and suitable for supply and extract air. Equipped with aluminium blade deflectors, LTD can easily manage high airflows with a minimum pressure loss and noise level.
LTD can be installed with the plenum boxes GB, JB, NB or KB, in order to achieve an even flow and individual adjustment.
Easy and fast installation by using quick fix connectors.

- Design linear slot diffuser
- Suitable for supply and extract
- Horizontal and vertical supply air
- Long throw or normal throw for the horizontal position
- Quick fixing system

Order code

Product	LTD	25	a	bbbb	cc	dd

Type
LTD

Nominal slot width
25

Number of slots
1, 2, 3, 4, 5, 6

Length
300-2000 (In steps of 50 mm)

Colour of profiles

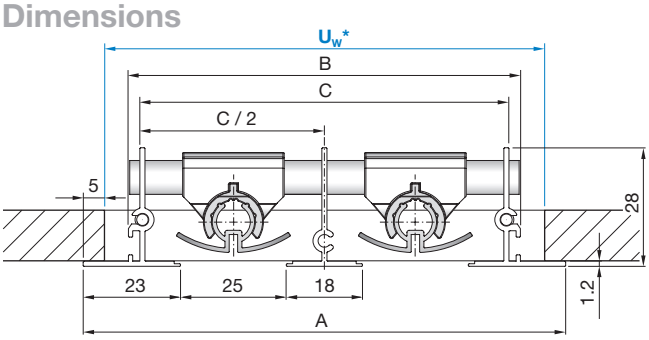
S0	-	Anodized aluminium
S1	White	RAL 9010, gloss 30
S2	White	RAL 9003, gloss 30

Colour of deflectors

D0	Black	RAL 9005, gloss 30
D1	White	RAL 9010, gloss 30
D2	White	RAL 9003, gloss 30
D3	-	No deflectors
D4	-	Anodized aluminium

Example 1: LTD-25-2-1000-S0-D3
Example 2: LTD-25-3-1000-S1-D1

Dimensions



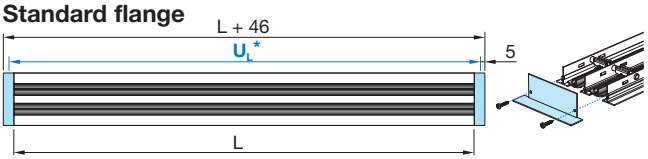
U_W* = Width cutout dimension in ceiling.
5 mm overlap of flanges => **U_W = A - (2 x 5 mm)**.

LTD-25

No. of slots	A mm	B mm	C mm	Kg/m
1	71	50	44	0.75
2	114	93	87	1.18
3	157	136	130	1.62
4	200	179	173	2.05
5	243	222	216	2.49
6	286	265	259	2.93

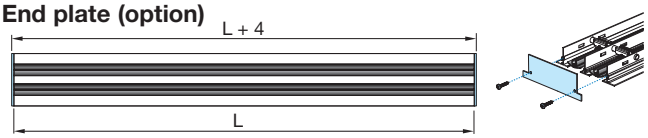
Standard length 300 - 2000 mm in steps of 50 mm, longer lengths see page 4.

Standard flange



Length cutout dimension in ceiling.
5 mm overlap of flanges => **U_L* = L + 46 - (2 x 5 mm)**.

End plate (option)



Materials & finish

Slot profiles: Aluminium
Blade deflectors: Aluminium

Standard finishing:
Slot profiles: Anodized aluminium
RAL 9010 gloss 30
RAL 9003 gloss 30

Blade deflectors: Black 9005 gloss 30, aluminium
White 9010 gloss 30, aluminium
White 9003 gloss 30, aluminium
Anodized aluminium

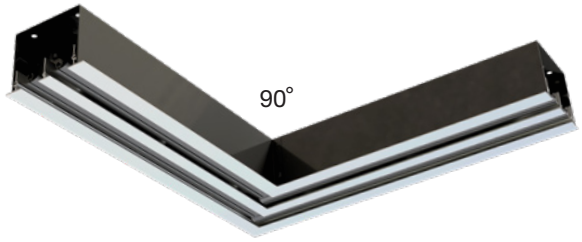
The linear slot diffuser LTD is available in other colours. Please contact Lindab's sales department for further information.

Slot diffuser

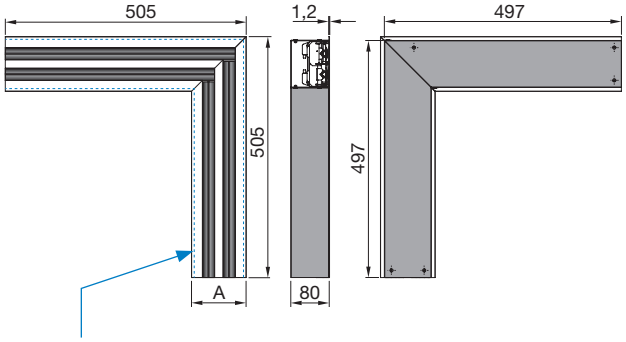
LTD

Accessories

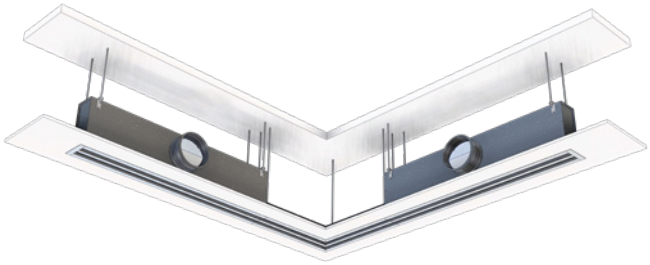
LTDQ



Dimensions



Cutout dimension in ceiling. Always keep 5 mm overlap of flanges. A-dimension, see LTD-25 dimension table on previous page.



Example above shows continuous strips solution with finished false ceiling. LTD + LTDQ + LTD with GB plenum boxes including E-dampers.

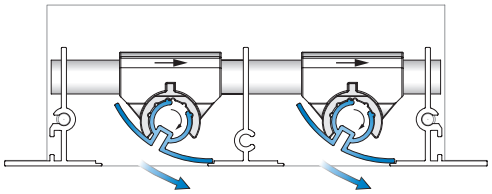
Order code

Product			LTDQ	25	a	bb	cc
Type							
LTDQ							
Nominal slot width							
25							
Number of slots							
1, 2, 3, 4, 5, 6							
Colour of profiles							
S0	-	Anodized aluminium					
S1	White	RAL 9010, gloss 30					
S2	White	RAL 9003, gloss 30					
Colour of deflectors							
D0	Black	RAL 9005, gloss 30					
D1	White	RAL 9010, gloss 30					
D2	White	RAL 9003, gloss 30					
D3	-	No deflectors					
D4	-	Anodized aluminium					

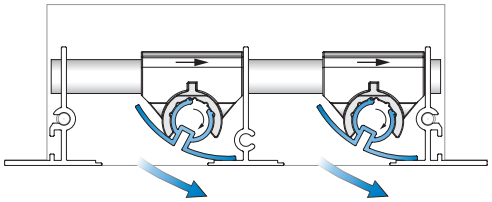
Example: LTDQ-25-2-S0-D3

Supply air

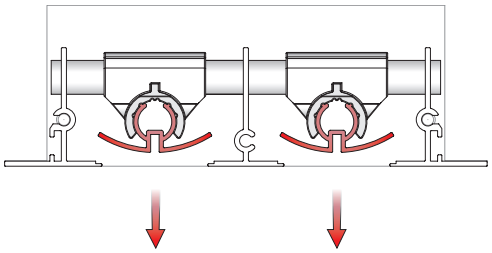
Horizontal - High Coanda effect



Horizontal - High air capacity

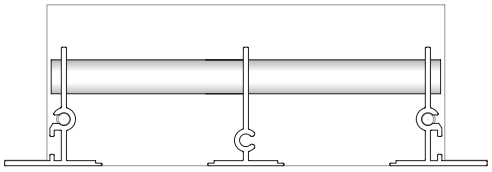


Vertical / Straight



Extract air

Used for extract air, the moveable/rotable deflectors are not neccesary, but to keep the aesthetic design, the diffuser can still be equipped with the aluminium blade deflectors.



LindQST

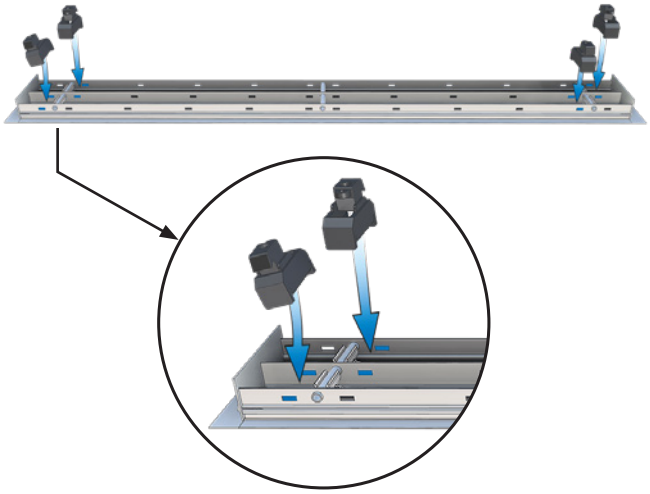
Use the advanced Lindab web tool LindQST to calculate the full range of slot diffusers and to find the suitable diffuser type and dimension for all applications.
Product selection, room dimensioning and documentation search are easy available directly on web and mobile devices.
Find this and much more on www.lindQST.com.

Slot diffuser LTD

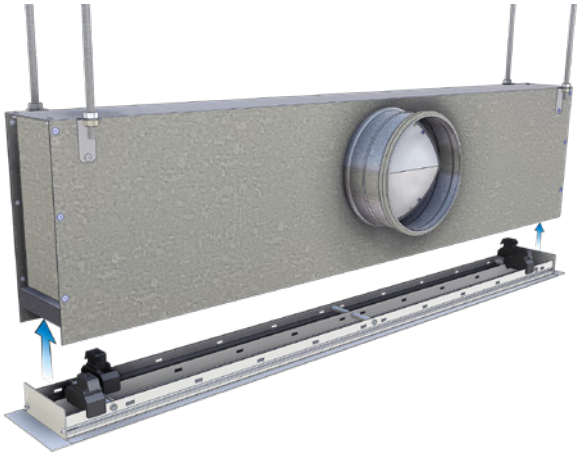
Installation

The diffusers are installed with a plenum box by suspension with quick fix connectors.
More details see installation instruction.

Click on the included Quick fixes to the LTD.



Click the diffuser into the plenum.



Remember to tighten the quick fix connectors with a screwdriver. See installation instruction.

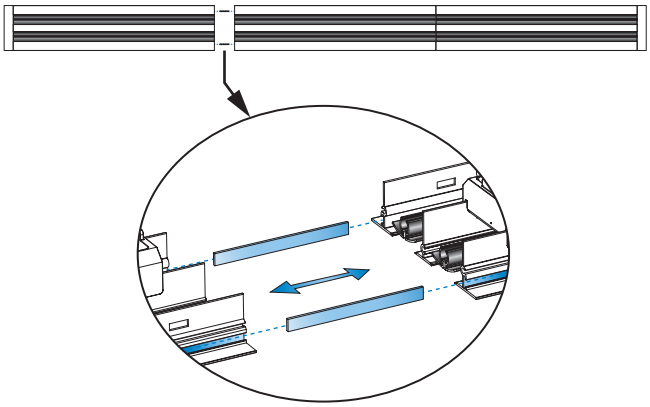
Maintenance

Remove the diffuser to gain access to the plenum box, damper and duct.

External parts should be wiped with a damp cloth.

In-line installation (lengths > 2000 mm).

Use the rail type connecting plates to connect two diffusers to each other.



Order code example:
LTD - 25 - 2 - 2500 - S0 - D0

Line division table.

< 4.000 mm	In 2 equal parts
4.100 mm	1500 + 1100 + 1.500
....	1.500 + …….. + 1.500
5.000 mm	1.500 + 2.000 + 1.500
5.100 mm	2.000 + 1.100 + 2.000
....	2.000 + …….. + 2.000
6.000 mm	2.000 + 2.000 + 2.000
6.100 mm	2.000 + 1.100 + 1.100+ 2.000
6.200 mm	2.000 + 1.100 + 1.100+ 2.000
....	2.000 + …….. + …….. + 2.000
7.000 mm	2.000 + 1.500 + 1.500+ 2.000
7.100 mm	2.000 + 2.000 + 1.100 + 2.000
....	2.000 + 2.000 + …….. + 2.000
8.000 mm	2.000 + 2.000 + 2.000 + 2.000
8.100 mm	2.000 + 2.000 + 1.000 + 1.100 + 2.000
....	2.000 + 2.000 + 1.000 + …….. + 2.000
9.000 mm	2.000 + 2.000 + 1.000 + 2.000 + 2.000
9.100 mm	2.000 + 2.000 + 1.100 + 2.000 + 2.000
....	2.000 + 2.000 + …….. + 2.000 + 2.000
10.000 mm	2.000 + 2.000 + 2.000 + 2.000 + 2.000

Plenum box

LTD

Description

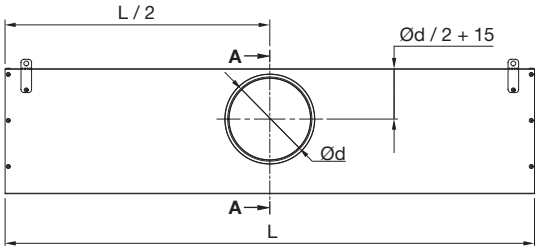
GB, JB, NB and KB are rectangular plenum boxes for the linear slot diffuser LTD used for supply or extract air intended to achieve a stable airflow into diffusers. The plenums are available with several types of insulation options and supply or extract damper.

Plenums:

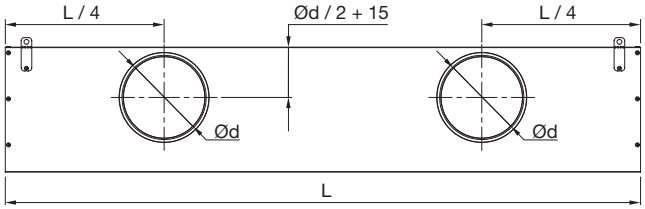
- GB – without insulation
- JB – 5 mm inside thermal insulation
- NB – 5 mm outside thermal insulation
- KB – 15 mm inside acoustic insulation
- The dampers C and E are rotating dampers for supply and extract respectively.

Plenum box GB/JB/NB/KB dimensions

GB, JB, NB, KB one connection



GB, JB, NB, KB two connection



Order code

Product	aa	b	25	c	dddd

Type
GB, JB, NB, KB

Damper type
C Supply air
E Extract air
x No damper

Nominal slot width
25

Number of slots
1, 2, 3, 4, 5, 6

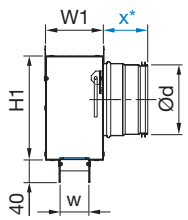
Length
300-2000 (In steps of 50 mm)

Example: GB-x-25-3-1000
Example: KB-C-25-4-1200

GB/JB/NB/KB dimensions

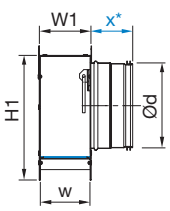
GB, JB 1 slot

A-A



GB, JB 2-6 slots

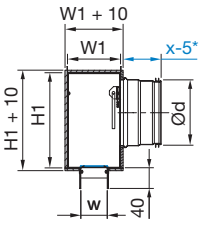
A-A



x*: Ød ≤ 200 => x = 79, Ød > 200 => x = 119

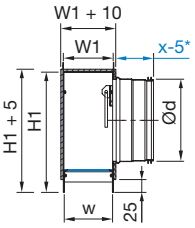
NB 1 slot

A-A



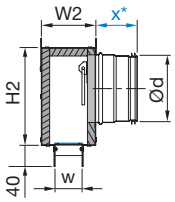
NB 2-6 slots

A-A



KB 1-6 slots

A-A



LTD-25+box

No. of slots	W1 mm	W2 mm	w mm	Ød mm	No. of conn.	H1 mm	H2 mm	L mm
1	103	103	52	125	1	185	185	300 - 800
1	103	103	52	160	1	196	196	801 - 1100
1	103	103	52	160	2	196	196	1101 - 2000
2	95	125	95	125	1	225	185	300 - 500
2	97	125	95	160	1	236	196	501 - 1100
2	97	125	95	160	2	236	196	1101 - 2000
3	140	168	138	160	1	236	196	300 - 1100
3	140	168	138	160	2	236	236	1101 - 1300
3	140	168	138	200	2	276	236	1301 - 2000
4	183	208	181	200	1	276	236	300 - 800
4	183	208	181	250	1	326	286	801 - 1100
4	183	208	181	250	2	326	286	1101 - 2000
5	226	254	224	200	1	276	236	300 - 700
5	226	254	224	250	1	326	286	701 - 1100
5	226	254	224	250	2	326	286	1101 - 2000
6	269	297	267	200	1	276	236	300 - 500
6	269	297	267	250	1	326	286	501 - 1100
6	269	297	267	250	2	326	286	1101 - 2000

Materials & finish

Plenum box:	Galvanised Steel
Standard finishing:	Galvanised steel
Insulation :	- 5 mm, thermal insulation / inside or outside. - 15 mm, acoustic insulation

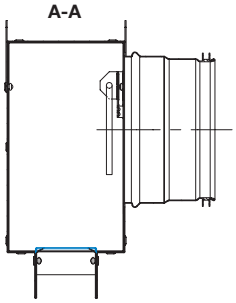
Plenum box

LTD

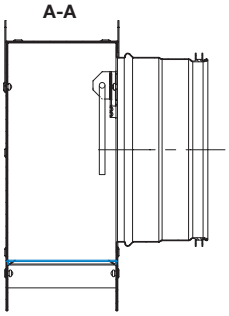
Plenum box Insulation

Without insulation, GB.

GB, 1 slot
A-A

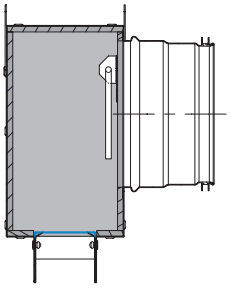


GB, 2-6 slots
A-A

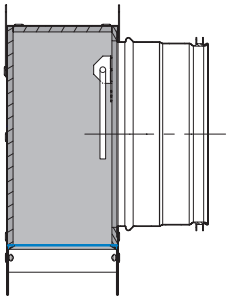


5 mm internal insulation Thermal, JB.

JB, 1 slot
A-A

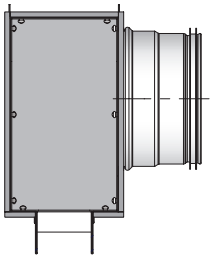


JB, 2-6 slots
A-A

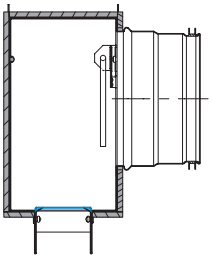


5 mm external insulation Thermal, NB.

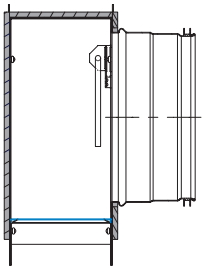
NB, 1 slot
Side view



NB, 1 slot
A-A

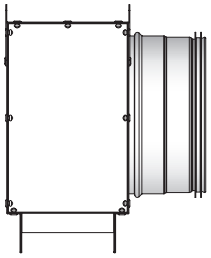


NB, 2-6 slots
A-A

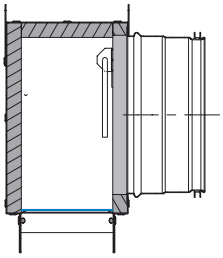


15 mm internal insulation, acoustic, KB.

KB, 2 slot
Side view



KB, 1-6 slots
A-A

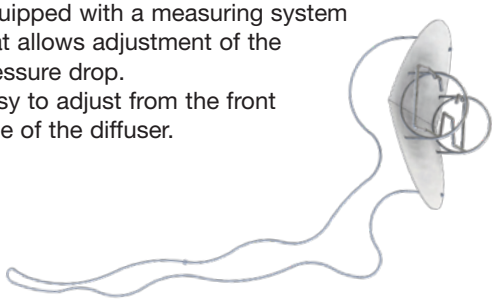


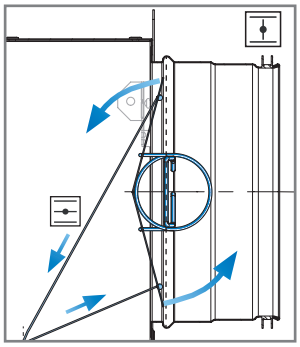
Accessories

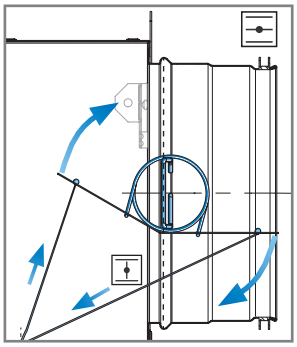
C damper

Supply damper with rotating blade is:

- Easy to mount and dismount into/from the plenum spigot.
- Equipped with a measuring system that allows adjustment of the pressure drop.
- Easy to adjust from the front side of the diffuser.



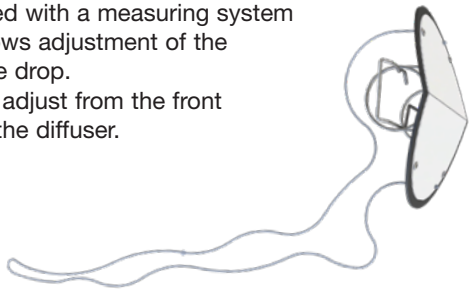


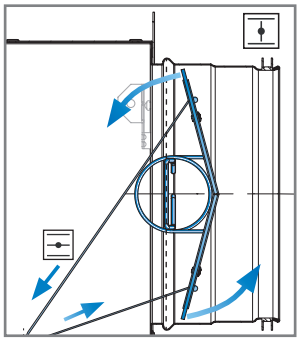


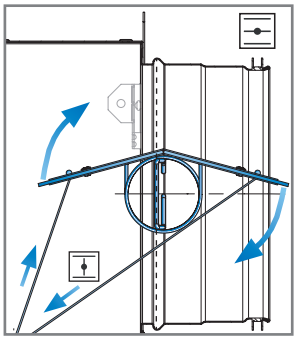
E damper

Extract damper with rotating blade is:

- Easy to mount and dismount into/from the plenum spigot.
- Equipped with a measuring system that allows adjustment of the pressure drop.
- Easy to adjust from the front side of the diffuser.

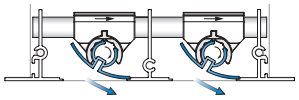






Slot diffuser LTD

Quick selection
Supply LTD-25 - High coanda effect



[mm]			Airflow																
			m³/h	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1400
			l/s	14	28	42	56	69	83	97	111	139	167	194	222	250	278	333	389
1 slot	600	L_{wa}	[dB(A)]	25	42														
		ΔP_t	[Pa]	10	40														
		$l_{0.2}$	[m]	4.9	12.6														
	800	L_{wa}	[dB(A)]	22	36														
		ΔP_t	[Pa]	6	24														
		$l_{0.2}$	[m]	3	9.2														
	1000	L_{wa}	[dB(A)]		31	42													
		ΔP_t	[Pa]		14	32													
		$l_{0.2}$	[m]		6.8	11.6													
	1200	L_{wa}	[dB(A)]	20	28	38													
		ΔP_t	[Pa]	2	9	21													
		$l_{0.2}$	[m]	1.4	5.1	9.4													
	1500	L_{wa}	[dB(A)]	20	23	33	41												
		ΔP_t	[Pa]	2	6	14	25												
		$l_{0.2}$	[m]	1	3.6	7	10.5												
	2000	L_{wa}	[dB(A)]	20	22	27	34	40											
		ΔP_t	[Pa]	1	4	8	14	22											
		$l_{0.2}$	[m]	0.5	2.2	4.5	7.3	10											
2 slots	600	L_{wa}	[dB(A)]		28	38													
		ΔP_t	[Pa]		11	24													
		$l_{0.2}$	[m]		7.3	12.1													
	800	L_{wa}	[dB(A)]		23	32	39												
		ΔP_t	[Pa]		7	15	26												
		$l_{0.2}$	[m]		4.7	8.8	12.3												
	1000	L_{wa}	[dB(A)]		23	27	34	40											
		ΔP_t	[Pa]		5	10	18	29											
		$l_{0.2}$	[m]		3.2	6.4	9.7	12.5											
	1200	L_{wa}	[dB(A)]	20	22	24	31	36	41										
		ΔP_t	[Pa]	1	3	6	11	17	24										
		$l_{0.2}$	[m]	0.6	2.3	4.8	7.6	10.3	12.7										
	1500	L_{wa}	[dB(A)]	20	22	24	26	32	36	40	43								
		ΔP_t	[Pa]	0	2	4	7	11	16	22	29								
		$l_{0.2}$	[m]	0.4	1.6	3.3	5.5	7.8	10	12.1	13.8								
	2000	L_{wa}	[dB(A)]	20	22	24	26	28	30	34	37	43							
		ΔP_t	[Pa]	0	1	3	5	7	10	14	18	29							
		$l_{0.2}$	[m]	0.2	0.9	2	3.5	5.1	6.9	8.7	10.4	13.5							

Data valid for isothermal supply 1-way.
Other sizes, settings and flows, Go to LindQST Calculator

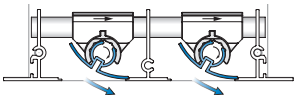
$20 \le L_{WA} < 30$ $30 \le L_{WA} < 40$ $40 \le L_{WA} < 45$

Next page - High coanda effect 3-4 slots.

Slot diffuser

LTD

Quick selection
Supply LTD-25 - High coanda effect



[mm]			Airflow																
			m³/h	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1400
			l/s	14	28	42	56	69	83	97	111	139	167	194	222	250	278	333	389
3 slots	600	L_{wa}	[dB(A)]		23	29	37	42											
		ΔP_t	[Pa]		5	12	22	34											
		$l_{0.2}$	[m]		4.7	8.8	12.3	15.1											
	800	L_{wa}	[dB(A)]		23	27	32	36	41										
		ΔP_t	[Pa]		4	8	14	22	32										
		$l_{0.2}$	[m]		2.9	5.8	8.9	11.7	14										
	1000	L_{wa}	[dB(A)]		23	27	32	36	40	44									
		ΔP_t	[Pa]		3	6	11	16	24	32									
		$l_{0.2}$	[m]		1.9	4.1	6.5	9	11.3	13.3									
	1200	L_{wa}	[dB(A)]	20	22	24	26	28	32	36	40								
		ΔP_t	[Pa]	0	1	3	5	9	12	17	22								
		$l_{0.2}$	[m]	0.3	1.4	3	4.9	7.1	9.2	11.1	12.9								
	1500	L_{wa}	[dB(A)]		21	22	23	25	28	32	35	41							
		ΔP_t	[Pa]		1	2	3	5	7	10	13	20							
		$l_{0.2}$	[m]		0.9	2	3.4	5	6.8	8.5	10.2	13.2							
	2000	L_{wa}	[dB(A)]		21	22	23	25	26	27	29	35	39	43					
		ΔP_t	[Pa]		1	1	2	3	5	6	8	13	18	25					
		$l_{0.2}$	[m]		0.5	1.2	2.1	3.2	4.4	5.7	7	9.7	12.2	14.3					
4 slots	600	L_{wa}	[dB(A)]		20	24	31	36	41	44									
		ΔP_t	[Pa]		3	6	11	18	26	35									
		$l_{0.2}$	[m]		3.1	6.2	9.4	12.2	14.4	16.3									
	800	L_{wa}	[dB(A)]		20	23	26	30	35	39	42								
		ΔP_t	[Pa]		2	4	7	11	16	22	29								
		$l_{0.2}$	[m]		1.9	3.9	6.3	8.8	11	13	14.7								
	1000	L_{wa}	[dB(A)]		20	21	21	26	30	34	37	43							
		ΔP_t	[Pa]		1	2	4	6	8	11	15	23							
		$l_{0.2}$	[m]		1.2	2.7	4.5	6.4	8.4	10.3	12	14.9							
	1200	L_{wa}	[dB(A)]		20	21	21	22	27	30	34	39	44						
		ΔP_t	[Pa]		1	1	3	4	6	8	10	16	23						
		$l_{0.2}$	[m]		0.9	1.9	3.3	4.8	6.5	8.2	9.8	12.7	15.1						
	1500	L_{wa}	[dB(A)]		20	21	21	22	23	26	29	35	39	43					
		ΔP_t	[Pa]		0	1	2	3	4	5	7	11	16	21					
		$l_{0.2}$	[m]		0.6	1.3	2.2	3.4	4.6	6	7.4	10	12.5	14.5					
	2000	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	29	33	37	40	43			
		ΔP_t	[Pa]		0	1	1	2	2	3	4	7	9	13	17	21			
		$l_{0.2}$	[m]		0.3	0.7	1.3	2	2.9	3.8	4.8	6.9	9.1	11.1	12.9	14.6			

Data valid for isothermal supply 1-way.
Other sizes, settings and flows, Go to LindQST Calculator

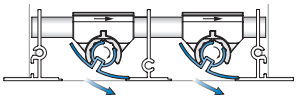
$20 \le L_{WA} < 30$ $30 \le L_{WA} < 40$ $40 \le L_{WA} < 45$

Next page - High coanda effect 5-6 slots.

Slot diffuser

LTD

Quick selection
Supply LTD-25 - High coanda effect



[mm]			Airflow																
		m^3/h	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1400
		l/s	14	28	42	56	69	83	97	111	139	167	194	222	250	278	333	389
5 slots	600	L_{wa} [dB(A)]		20	23	26	32	36	40	44								
		ΔP_t [Pa]		2	5	8	13	18	25	32								
		$l_{0.2}$ [m]		2.1	4.4	7	9.5	11.8	13.7	15.4								
	800	L_{wa} [dB(A)]		20	21	21	25	30	34	37	43							
		ΔP_t [Pa]		1	2	4	6	8	12	15	23							
		$l_{0.2}$ [m]		1.2	2.7	4.5	6.4	8.4	10.3	12	14.8							
	1000	L_{wa} [dB(A)]		20	21	21	22	25	29	33	38	43						
		ΔP_t [Pa]		1	1	2	4	6	8	10	15	22						
		$l_{0.2}$ [m]		0.8	1.8	3.1	4.5	6.1	7.8	9.3	12.2	14.5						
	1200	L_{wa} [dB(A)]		20	21	21	22	23	25	29	35	39	43					
		ΔP_t [Pa]		0	1	2	3	4	5	7	11	16	22					
		$l_{0.2}$ [m]		0.6	1.3	2.2	3.3	4.6	6	7.3	10	12.3	14.3					
	1500	L_{wa} [dB(A)]		20	21	21	22	23	24	25	30	34	38	42				
		ΔP_t [Pa]		0	1	1	2	3	4	5	7	11	15	19				
		$l_{0.2}$ [m]		0.3	0.8	1.5	2.3	3.2	4.2	5.3	7.5	9.7	11.7	13.5				
	2000	L_{wa} [dB(A)]		20	21	21	22	23	24	25	26	28	32	36	39	41		
		ΔP_t [Pa]		0	0	1	1	2	2	3	5	7	9	12	15	19		
		$l_{0.2}$ [m]		0.2	0.5	0.9	1.4	1.9	2.6	3.3	4.9	6.6	8.3	10	11.6	13.1		
6 slots	600	L_{wa} [dB(A)]		20	21	21	27	32	36	40								
		ΔP_t [Pa]		1	3	5	8	11	15	20								
		$l_{0.2}$ [m]		1.5	3.1	5.1	7.3	9.4	11.3	12.9								
	800	L_{wa} [dB(A)]		20	21	21	22	26	30	33	40							
		ΔP_t [Pa]		1	2	3	5	7	9	12	18							
		$l_{0.2}$ [m]		0.8	1.9	3.2	4.7	6.3	7.9	9.5	12.3							
	1000	L_{wa} [dB(A)]		20	21	21	22	23	25	28	34	39	44					
		ΔP_t [Pa]		0	1	2	3	4	6	8	12	17	23					
		$l_{0.2}$ [m]		0.5	1.2	2.1	3.2	4.4	5.7	7.1	9.7	12	14					
	1200	L_{wa} [dB(A)]		20	21	21	22	23	24	25	30	35	39	43				
		ΔP_t [Pa]		0	1	1	2	3	4	6	9	12	17	22				
		$l_{0.2}$ [m]		0.4	0.9	1.5	2.3	3.3	4.3	5.4	7.6	9.8	11.8	13.5				
	1500	L_{wa} [dB(A)]		20	21	21	22	23	24	25	26	30	34	38	41	44		
		ΔP_t [Pa]		0	1	1	1	2	3	4	6	9	12	15	19	24		
		$l_{0.2}$ [m]		0.2	0.6	1	1.6	2.2	2.9	3.7	5.5	7.3	9.1	10.9	12.4	13.8		
	2000	L_{wa} [dB(A)]		20	21	21	22	23	24	25	26	28	30	32	35	37	42	
		ΔP_t [Pa]		0	0	1	1	1	2	2	4	6	7	10	12	15	22	
		$l_{0.2}$ [m]		0.1	0.3	0.6	0.9	1.3	1.8	2.3	3.5	4.8	6.2	7.6	9	10.4	12.9	

Data valid for isothermal supply 1-way.
Other sizes, settings and flows, Go to LindQST Calculator

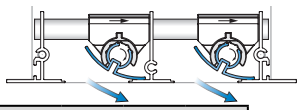
$20 \le L_{WA} < 30$ $30 \le L_{WA} < 40$ $40 \le L_{WA} < 45$

Next page - High air capacity.

Slot diffuser

LTD

Quick selection
Supply LTD-25 - High air capacity



[mm]			Airflow																
			m³/h	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1400
			l/s	14	28	42	56	69	83	97	111	139	167	194	222	250	278	333	389
1 slot	600	L_{wa}	[dB(A)]	22	36														
		ΔP_t	[Pa]	6	26														
		$l_{0.2}$	[m]	0.9	5.4														
	800	L_{wa}	[dB(A)]	22	30	40													
		ΔP_t	[Pa]	4	16	36													
		$l_{0.2}$	[m]	0.5	2.7	7.2													
	1000	L_{wa}	[dB(A)]		26	36	42												
		ΔP_t	[Pa]		9	21	37												
		$l_{0.2}$	[m]		1.5	4.4	8.3												
	1200	L_{wa}	[dB(A)]	20	23	32	39	44											
		ΔP_t	[Pa]	2	6	14	24	38											
		$l_{0.2}$	[m]	0.2	1	2.8	5.7	9.1											
	1500	L_{wa}	[dB(A)]	20	22	28	35	40	44										
		ΔP_t	[Pa]	1	4	9	16	25	36										
		$l_{0.2}$	[m]	0.1	0.6	1.6	3.4	5.8	8.6										
	2000	L_{wa}	[dB(A)]	20	22	24	29	34	39	42									
		ΔP_t	[Pa]	1	2	5	9	15	21	29									
		$l_{0.2}$	[m]	0.1	0.3	0.8	1.7	3	4.7	6.7									
2 slots	600	L_{wa}	[dB(A)]		23	34	41												
		ΔP_t	[Pa]		8	18	32												
		$l_{0.2}$	[m]		1.7	4.8	8.9												
	800	L_{wa}	[dB(A)]		23	27	35	41											
		ΔP_t	[Pa]		5	11	20	31											
		$l_{0.2}$	[m]		0.8	2.4	4.9	8											
	1000	L_{wa}	[dB(A)]		23	27	32	36	41										
		ΔP_t	[Pa]		4	8	14	22	32										
		$l_{0.2}$	[m]		0.5	1.3	2.8	5	7.5										
	1200	L_{wa}	[dB(A)]	20	22	24	26	32	37	41	44								
		ΔP_t	[Pa]	0	2	4	8	12	18	24	32								
		$l_{0.2}$	[m]	0.1	0.3	0.9	1.8	3.2	5.1	7.2	9.3								
	1500	L_{wa}	[dB(A)]	20	22	24	26	28	31	36	39								
		ΔP_t	[Pa]	0	1	3	5	9	12	17	22								
		$l_{0.2}$	[m]	0	0.2	0.5	1	1.8	3	4.4	6								
	2000	L_{wa}	[dB(A)]	20	22	24	26	28	30	32	35	39	44						
		ΔP_t	[Pa]	0	1	2	4	6	8	11	14	22	32						
		$l_{0.2}$	[m]	0	0.1	0.3	0.5	0.9	1.4	2.2	3.1	5.4	8.1						

Data valid for isothermal supply 1-way.
Other sizes, settings and flows, Go to LindQST Calculator

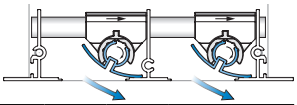
$20 \le L_{WA} < 30$ $30 \le L_{WA} < 40$ $40 \le L_{WA} < 45$

Next page - High air capacity 3-4 slots.

Slot diffuser

LTD

Quick selection
Supply LTD-25 - High air capacity



[mm]			Airflow																
			m³/h	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1400
			l/s	14	28	42	56	69	83	97	111	139	167	194	222	250	278	333	389
3 slots	600	L_{wa}	[dB(A)]		23	27	32	37	42										
		ΔP_t	[Pa]		4	9	16	25	35										
		$l_{0.2}$	[m]		0.9	2.5	5.2	8.4	11.5										
	800	L_{wa}	[dB(A)]		23	27	32	36	40	44									
		ΔP_t	[Pa]		3	6	11	17	24	33									
		$l_{0.2}$	[m]		0.4	1.2	2.6	4.5	6.9	9.4									
	1000	L_{wa}	[dB(A)]		23	27	32	36	40	44									
		ΔP_t	[Pa]		2	5	8	13	19	26									
		$l_{0.2}$	[m]		0.3	0.7	1.5	2.6	4.2	6									
	1200	L_{wa}	[dB(A)]	20	22	24	26	28	30	32	35	40							
		ΔP_t	[Pa]	0	1	2	4	6	9	12	16	25							
		$l_{0.2}$	[m]	0	0.2	0.5	0.9	1.7	2.7	3.9	5.5	8.8							
	1500	L_{wa}	[dB(A)]		21	22	23	25	26	27	30	36	40	44					
		ΔP_t	[Pa]		1	1	2	4	5	7	9	14	20	28					
		$l_{0.2}$	[m]		0.1	0.3	0.5	0.9	1.5	2.3	3.2	5.6	8.3	11					
	2000	L_{wa}	[dB(A)]		21	22	23	25	26	27	29	31	34	38	42				
		ΔP_t	[Pa]		0	1	1	2	3	4	6	9	13	18	23				
		$l_{0.2}$	[m]		0	0.1	0.3	0.5	0.8	1.1	1.6	2.8	4.5	6.5	8.6				
4 slots	600	L_{wa}	[dB(A)]		20	23	26	31	35	39	42								
		ΔP_t	[Pa]		2	4	8	12	18	24	32								
		$l_{0.2}$	[m]		0.5	1.5	3.1	5.4	8	10.5	12.8								
	800	L_{wa}	[dB(A)]		20	23	26	28	31	34	37	42							
		ΔP_t	[Pa]		1	3	5	8	12	16	21	33							
		$l_{0.2}$	[m]		0.3	0.7	1.5	2.7	4.2	6.1	8.1	11.9							
	1000	L_{wa}	[dB(A)]		20	21	21	22	25	29	32	38	42						
		ΔP_t	[Pa]		1	1	2	4	5	7	10	15	22						
		$l_{0.2}$	[m]		0.2	0.4	0.8	1.5	2.4	3.6	5	8.2	11.3						
	1200	L_{wa}	[dB(A)]		20	21	21	22	23	26	29	34	38	42					
		ΔP_t	[Pa]		0	1	2	3	4	5	7	11	16	21					
		$l_{0.2}$	[m]		0.1	0.3	0.5	1	1.5	2.3	3.2	5.6	8.3	11					
	1500	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	30	34	38	41	44			
		ΔP_t	[Pa]		0	1	1	2	3	4	5	7	11	14	19	24			
		$l_{0.2}$	[m]		0.1	0.2	0.3	0.6	0.9	1.3	1.9	3.3	5.2	7.4	9.6	11.8			
	2000	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	26	28	32	35	38	41		
		ΔP_t	[Pa]		0	0	1	1	2	2	3	5	7	9	12	15	18		
		$l_{0.2}$	[m]		0	0.1	0.2	0.3	0.4	0.7	0.9	1.6	2.6	3.9	5.4	7.1	8.8		

Data valid for isothermal supply 1-way.
Other sizes, settings and flows, Go to LindQST Calculator

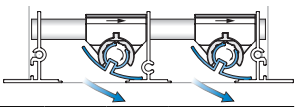
$20 \leq L_{WA} < 30$ $30 \leq L_{WA} < 40$ $40 \leq L_{WA} < 45$

Next page - High air capacity 5-6 slots.

Slot diffuser

LTD

Quick selection
Supply LTD-25 - High air capacity



[mm]			Airflow																	
			m³/h	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1200	1400
			l/s	14	28	42	56	69	83	97	111	139	167	194	222	250	278	333	389
5 slots	600	L_{wa}	[dB(A)]		20	23	26	28	31	36	39								
		ΔP_t	[Pa]		2	3	6	10	14	19	24								
		$l_{0.2}$	[m]		0.3	0.9	1.9	3.4	5.3	7.5	9.6								
	800	L_{wa}	[dB(A)]		20	21	21	22	25	29	33	39	44						
		ΔP_t	[Pa]		1	1	3	4	6	8	11	16	24						
		$l_{0.2}$	[m]		0.2	0.4	0.9	1.6	2.6	3.9	5.4	8.7	11.8						
	1000	L_{wa}	[dB(A)]		20	21	21	22	23	24	28	34	39	43					
		ΔP_t	[Pa]		0	1	2	3	4	5	7	11	16	21					
		$l_{0.2}$	[m]		0.1	0.3	0.5	0.9	1.5	2.2	3.2	5.5	8.1	10.8					
	1200	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	29	34	39	42				
		ΔP_t	[Pa]		0	1	1	2	3	4	5	8	11	16	20				
		$l_{0.2}$	[m]		0.1	0.2	0.3	0.6	0.9	1.4	2	3.6	5.6	7.8	10.1				
	1500	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	26	29	33	37	40	43		
		ΔP_t	[Pa]		0	0	1	1	2	3	3	5	8	11	14	18	22		
		$l_{0.2}$	[m]		0	0.1	0.2	0.4	0.6	0.8	1.1	2	3.3	4.8	6.6	8.4	10.3		
	2000	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	26	28	30	32	34	37	42	
		ΔP_t	[Pa]		0	0	1	1	1	2	2	4	5	7	9	12	14	21	
		$l_{0.2}$	[m]		0	0	0.1	0.2	0.3	0.4	0.6	1	1.6	2.4	3.4	4.6	5.9	8.8	
6 slots	600	L_{wa}	[dB(A)]		20	21	21	22	27	32	36	43							
		ΔP_t	[Pa]		1	2	4	6	9	12	15	24							
		$l_{0.2}$	[m]		0.2	0.6	1.2	2.2	3.5	5.1	6.9	10.5							
	800	L_{wa}	[dB(A)]		20	21	21	22	23	24	28	35	41						
		ΔP_t	[Pa]		1	1	2	3	5	7	9	14	20						
		$l_{0.2}$	[m]		0.1	0.3	0.6	1.1	1.7	2.5	3.6	6.1	8.9						
	1000	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	29	35	39	44				
		ΔP_t	[Pa]		0	1	1	2	3	5	6	9	13	18	24				
		$l_{0.2}$	[m]		0.1	0.2	0.3	0.6	1	1.4	2	3.6	5.6	7.9	10.1				
	1200	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	26	30	35	39	42			
		ΔP_t	[Pa]		0	1	1	2	2	3	4	7	10	13	17	22			
		$l_{0.2}$	[m]		0	0.1	0.2	0.4	0.6	0.9	1.3	2.3	3.7	5.4	7.2	9.2			
	1500	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	26	28	30	33	37	40		
		ΔP_t	[Pa]		0	0	1	1	2	2	3	5	7	9	12	15	19		
		$l_{0.2}$	[m]		0	0.1	0.1	0.2	0.4	0.5	0.7	1.3	2.1	3.2	4.4	5.9	7.4		
	2000	L_{wa}	[dB(A)]		20	21	21	22	23	24	25	26	28	30	32	33	35	38	42
		ΔP_t	[Pa]		0	0	1	1	1	2	2	3	5	6	8	10	13	18	25
		$l_{0.2}$	[m]		0	0	0.1	0.1	0.2	0.3	0.4	0.7	1	1.5	2.2	3	3.9	6.1	8.5

Data valid for isothermal supply 1-way. Other sizes, settings and flows, Go to LindQST Calculator

$20 \le L_{WA} < 30$ $30 \le L_{WA} < 40$ $40 \le L_{WA} < 45$

Most of us spend the majority of our time indoors. Indoor climate is crucial to how we feel, how productive we are and if we stay healthy.

We at Lindab have therefore made it our most important objective to contribute to an indoor climate that improves people's lives. We do this by developing energy-efficient ventilation solutions and durable building products. We also aim to contribute to a better climate for our planet by working in a way that is sustainable for both people and the environment.

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