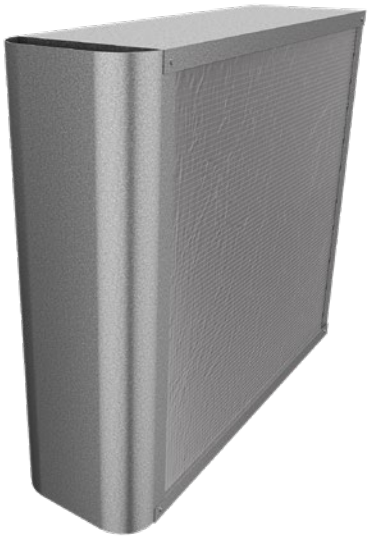
CANTO

Loose baffles for installation



QUICK FACTS

- Type-approved insulation material, ISOVER Cleantec® PLUS.
- For installation in shafts or large sheet-metal ducts.
- Custom-made size, airflow, and sound attenuation.
- Available in MagiCAD for easy dimensioning.

Swegon

Technical description

Function

CANTO is a series of loose baffles for installation in shafts or large sheet-metal ducts where prefabricated silencers are not suitable.

Material and Surface Treatment

- Standard material: galvanized steel sheet.
- Optional materials: ZincMagnesium or stainless steel.
- Acoustic material: ISOVER Cleantec® PLUS, a type-approved insulation material consisting of long-fiber, compressed mineral wool, covered with a special glass-fiber fabric.
  - Type-approved regarding cleaning, fiber release, aging resistance, emissions, etc., under approval number 0343/94.
- If the air is heavily particle-laden or if a stronger design is required, the baffles can be covered with perforated steel sheet outside the ISOVER Cleantec® PLUS insulation.

Flexibility

Within its dimensional limits, CANTO can be delivered "custom-made" for attenuation, pressure drop, and size, based on Swegon's extensive database. CANTO is also available in different material designs. For further details, contact Swegon

Accessories

- Mounting rails: U-profile for attachment to the building structure.
- Perforated steel covering.

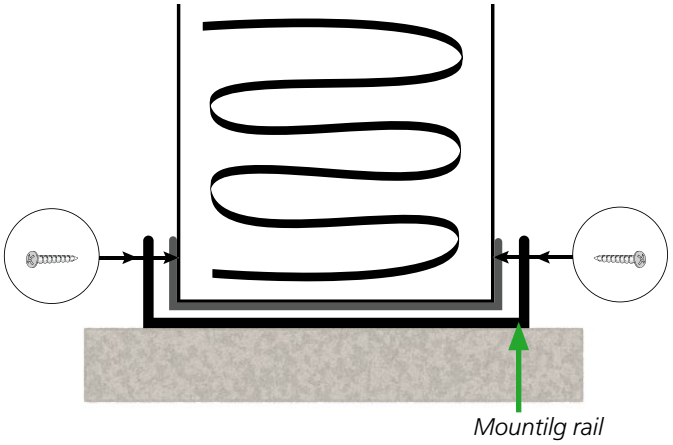
Installation, commissioning, maintenance

L-profiles are mounted on the top and bottom of the building structure, after which the baffle is inserted and fixed with rivets or screws.

If another mounting method is desired, it must be specified in text and drawings.

Dimensioning

- Calculate desired sound attenuation and pressure drop using Swegon's sound calculation software at www.swegon.com.
- Data provided is based on uniform airflow in and out of the silencer. Nearby dampers, bends, or other equipment increase pressure drop, self-noise, and may affect attenuation.



To mount the mounting rail

Technical data

Tables show attenuation (dB) for different baffle thicknesses, air gaps, and lengths. For detailed data and printouts, Swegon recommends using their dimensioning software.

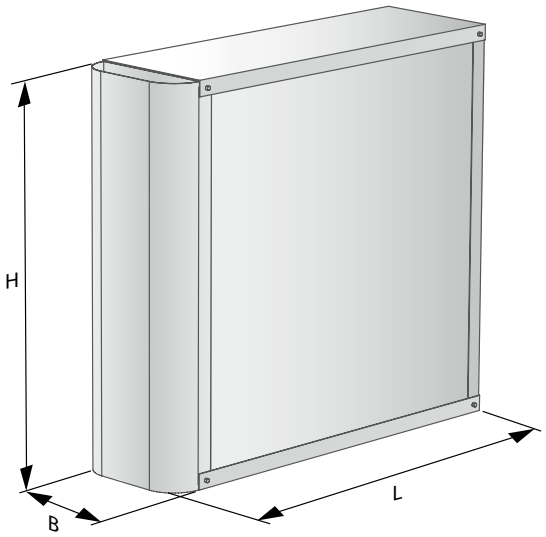
Table 1. Static attenuation

Code	Thickness "t"	Air gap (s)	Module width (m)	Length (L)	Static integral attenuation, (dB) to ISO 7235							
	mm	mm	mm	mm	63	125	250	500	1K	2K	4K	8K
1010	100	100	200	650	3	6	11	19	26	24	15	11
				1250	4	8	16	27	35	32	23	14
				1850	5	10	21	35	44	40	28	17
				2450	6	12	28	43	50	48	35	20
1510	150	100	250	650	4	7	12	20	27	25	16	12
				1250	5	10	20	32	38	34	25	16
				1850	6	12	26	41	47	42	33	20
				2450	7	14	34	47	50	49	39	24
1515	150	150	300	650	3	7	11	17	23	21	12	9
				1250	4	10	18	29	34	29	17	12
				1850	5	12	24	37	42	35	22	15
				2450	6	14	30	44	47	41	27	19
2010	200	100	300	650	4	8	13	21	28	26	16	13
				1250	5	11	23	36	41	36	26	18
				1850	6	13	31	46	49	43	37	23
				2450	7	15	39	50	50	50	42	27
2015	200	150	350	650	4	7	11	18	23	21	12	9
				1250	5	11	20	31	36	30	18	13
				1850	6	13	26	40	43	36	25	17
				2450	7	15	33	46	47	42	29	21
2020	200	200	400	650	3	6	9	14	18	16	8	5
				1250	4	10	16	26	30	23	10	7
				1850	5	12	21	34	37	29	12	10
				2450	6	14	26	42	43	33	15	14
2510	250	100	350	650	5	10	18	29	37	33	22	16
				1250	6	13	27	42	46	40	32	21
				1850	8	16	35	48	50	47	42	26
				2450	6	11	25	34	36	34	26	18
2515	250	150	400	650	4	8	14	22	28	25	15	11
				1250	5	12	22	35	39	33	22	15
				1850	7	14	29	43	45	39	28	19
				2450	6	13	27	40	41	35	22	17
2520	250	200	450	650	4	7	10	16	20	17	9	7
				1250	5	11	17	27	32	25	12	10
				1850	6	13	23	38	41	32	15	13
				2450	7	15	28	46	47	37	18	16
2525	250	250	500	650	3	6	10	14	19	14	7	6
				1250	4	10	16	24	28	21	10	8
				1850	6	12	21	33	35	26	13	11
				2450	7	14	26	40	40	30	16	14
3010	300	100	400	650	4	9	15	22	28	24	17	13
				1250	5	12	23	36	45	40	28	19
				1850	7	15	31	48	50	44	37	23
				2450	9	18	39	50	50	50	47	28
3012	300	125	425	650	4	9	14	21	27	22	15	12
				1250	5	12	22	34	42	37	24	17
				1850	7	15	29	47	49	42	32	21
				2450	9	18	37	50	50	48	41	26

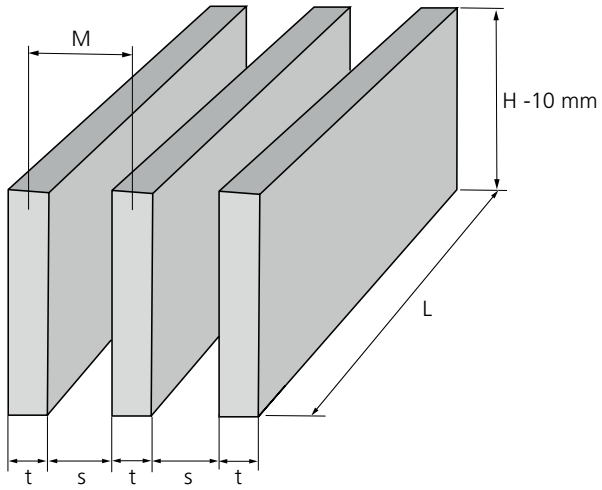
Table 1. Static attenuation, continues

Code	Thickness "t"	Air gap (s)	Module width (m)	Length (L)	Static integral attenuation, (dB) to ISO 7235							
	mm	mm	mm	mm	63	125	250	500	1K	2K	4K	8K
3015	300	150	450	650	4	8	13	20	25	21	13	11
				1250	5	12	21	32	39	34	21	16
				1850	7	14	28	45	48	39	27	19
				2450	9	17	35	50	50	46	34	23
3017	300	175	475	650	4	8	12	18	24	19	11	9
				1250	5	11	19	30	36	30	17	14
				1850	7	14	26	44	46	37	22	17
				2450	8	17	32	50	50	43	28	21
3020	300	200	500	650	4	7	11	17	22	17	9	8
				1250	5	11	18	28	33	27	13	12
				1850	7	13	24	42	45	34	17	15
				2450	8	16	30	50	50	41	21	18
3030	300	300	600	650	3	6	9	13	17	11	6	5
				1250	4	9	15	21	24	16	9	7
				1850	5	11	19	28	29	20	11	9
				2450	6	13	24	33	33	23	14	11
3510	350	100	450	650	5	10	15	24	30	27	18	14
				1250	6	14	24	38	46	41	28	19
				1850	8	17	32	49	50	45	38	23
				2450	10	21	40	50	50	50	48	30
3515	350	150	500	650	4	9	13	20	26	22	14	11
				1250	6	12	21	33	39	33	21	16
				1850	7	15	28	45	47	38	27	19
				2450	9	19	34	50	50	44	34	24
3520	350	200	550	650	4	8	12	17	23	18	10	9
				1250	5	11	18	28	33	25	13	12
				1850	7	14	25	40	44	31	16	15
				2450	8	17	29	50	50	37	20	18
3530	350	300	650	650	4	6	10	13	17	12	8	7
				1250	5	9	16	21	24	17	11	9
				1850	6	11	20	28	30	20	12	11
				2450	7	14	25	35	35	23	15	12
4010	400	100	500	650	5	11	15	25	32	29	18	14
				1250	7	15	24	39	46	42	28	19
				1850	9	19	32	50	50	45	38	23
				2450	11	24	40	50	50	50	48	32
4015	400	150	550	650	5	10	14	21	28	24	14	12
				1250	6	13	21	33	39	32	21	16
				1850	8	17	29	44	46	36	27	19
				2450	10	21	34	50	50	42	33	25
4020	400	200	600	650	4	8	12	17	23	18	10	9
				1250	5	11	18	27	32	22	13	12
				1850	6	14	25	38	42	27	15	15
				2450	8	17	28	50	50	33	18	17
4030	400	300	700	650	4	6	10	12	16	12	9	8
				1250	5	9	16	20	24	17	12	11
				1850	6	11	21	28	30	20	13	12
				2450	7	14	26	36	37	23	15	13

Dimension



CANTO - Dimension print



Dimension print, several sound baffles incl. air gap

M	200, 250, 300, 350, 400, 425, 450, 500, 550, 600, 650, 700 mm
t	100, 150, 200, 250, 300, 350, 400 mm
s	100, 125, 150, 175, 200, 250, 300 mm
L	650, 1250, 1850, 2450 mm
H	Nominal dimensions from 300 mm to 4800 mm, in steps of 100 mm. For larger heights, the baffle is delivered in a split version.

Weight

Thickness	Weight (kg/m²)
100	9
150	12
200	14
250	17
300	19
350	22
400	24

Specification

Sound baffle

CANTO	a-	bbb-	cccc-	dddd-	e
Version:					
Tjocklek (mm): 100, 150, 200, 250, 300, 350, 400					
Height (mm): 300 to 4800 (in step of 100 mm)					
Lenght (mm) 650, 1250, 1850, 2450					
Material: 1 = Galvanized 2 = ZincMagnesium 3 = Stainless steel					

Ordering key: CANTO a - bbb - cccc - dddd - e xx items

Accessories

Mounting rails	CANTO T1
Perforated steel covering	CANTO T4

Specification text

AMA-kod: T1.161

Example of specification text to VVS AMA.

Swegon's loose sound baffle CANTO for installation in shafts or large sheet-metal ducts where prefabricated silencers cannot be used.

- Type-approved surface, ISOVER Cleantec® PLUS.
- Available in several material options.

Example: CANTO a - 400 - 800 - 1250 - 1 xx pcs