

Ceiling Collection



Your flexible and efficient co-workers



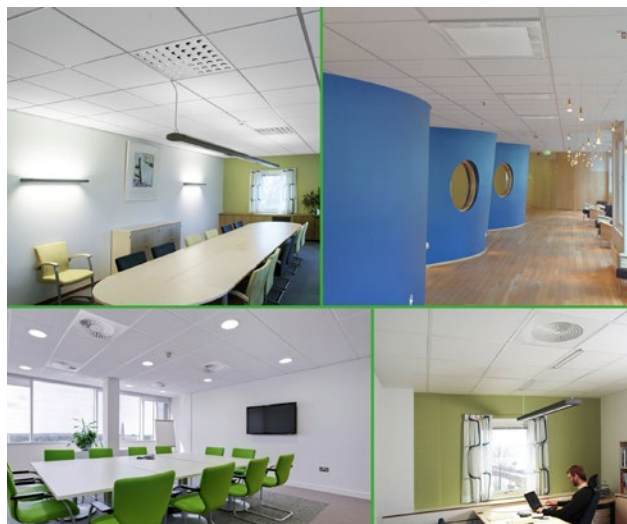
Swegon

High performance with Ceiling Collection

Among the very wide product range of Swegon's air diffusers, the Ceiling Collection includes selected air diffusers designed for modular ceilings.

The air diffusers of the Ceiling Collection have high performance in terms of air flow, induction and sound level and they are well suited for isothermal air discharge.

Several of the air diffusers also have flexible spread pattern that can easily be changed without influence to air flow, pressure drop or sound level.



Commissioning box (ALS)



EAGLE Ceiling

Disc air diffusers with high capacity discs.

Swegon's new disc manages higher capacity without reducing air diffuser performance. The unlimited flexibility of the disc technique in combination with the specific design of the EAGLE disc enables substantial cooling capacities and variable airflows without the risk of draught.

< 35 dB(A) 30 NR (4 dB room attenuation)

	q_{min} (m ³ /h)	q_{max} (m ³ /h)	Cooling effect $\Delta -8K$ (W)	$l_{0,2}$ (m)
125-600 + ALS 100-125	62	133	358	1,7
160-600 + ALS 125-160	101	212	570	2,6
200-600 + ALS 160-200	156	310	834	3,3
250-600 + ALS 200-250	226	432	1162	3,6
315-600 + ALS 250-315	298	576	1549	4,7
400-600 + ALS 315-400	424	792	2130	4,3

COLIBRI Ceiling

Small discs, design pattern.

The COLIBRI terminals are disc air diffusers with smaller discs arranged in either circular (CC) or rectangular (CR) pattern. The COLIBRI, as all of Swegon's disc air diffusers, can change spread pattern, as the need arises, without changing the airflow, pressure drop or sound level.



< 35 dB(A) 30 NR (4 dB room attenuation)

	q_{min} (m ³ /h)	q_{max} (m ³ /h)	Cooling effect $\Delta -8K$ (W)	$l_{0,2}$ (m)
125-600 + ALS 100-125	60	133	358	1,6
160-600 + ALS 125-160	80	176	473	2,2
200-600 + ALS 160-200	142	292	785	2,8
250-600 + ALS 200-250	231	468	1258	3
315-600 + ALS 250-315	257	504	1355	3,2
400-600 + ALS 315-400	301	558	1500	3,5

q_{min} - Min. airflow required for obtaining sufficient commissioning pressure.

q_{max} - Max. airflow for 35 dB(A) and max. open damper in commissioning box.

$l_{0,2}$ - Throw length $l_{0,2}$ is measured under isothermal discharge conditions.

HAWK Ceiling

High capacity with "flush design".

The HAWK C air diffusers are a unique combination of modern design and outstanding capacity. Although these ceiling terminals do not protrude from the ceiling (they are flush-mounted), they still manage substantial airflows without generating noise.



< 35 dB(A) 30 NR (4 dB room attenuation)

	q_{min} (m ³ /h)	q_{max} (m ³ /h)	Cooling effect $\Delta -8K$ (W)	$l_{0,2}$ (m)
125-600 + ALS 100-125	68	144	387	3,4
160-600 + ALS 125-160	99	216	581	3,7
200-600 + ALS 160-200	167	342	920	4,9
250-600 + ALS 200-250	260	446	1199	5,6
315-600 + ALS 250-315	315	648	1742	7,6
400-600 + ALS 315-400	407	907	2439	10,7

LOCKZONE Ceiling

Swirl terminal with "flush design".

The shape of the perforations enables the discharge of supply air with high clockwise swirl and this generates excellent induction in the room air. LOCKZONE C is therefore well suited for both the discharge of air below room temperature and variable airflows.



< 35 dB(A) 30 NR (4 dB room attenuation)

	q_{min} (m ³ /h)	q_{max} (m ³ /h)	Cooling effect $\Delta -8K$ (W)	$l_{0,2}$ (m)
125-600 + ALS 100-125	66	115	310	1,7
160-600 + ALS 125-160	99	173	465	2,3
200-600 + ALS 160-200	158	266	715	2,9
250-600 + ALS 200-250	247	432	1162	4,2
315-600 + ALS 250-315	317	536	1441	5,2
400-600 + ALS 315-400	448	810	2178	6,1

PELICAN Ceiling

Perforated diffusers with modern technology.

With their new and elegant look, the PELICAN C air diffusers offer you high capacity and full flexibility. 4-way to 1-way air discharge without any change in performance, thanks to their new air deflector. PELICAN C is also available in a high-flow extract version.



< 35 dB(A) 30 NR (4 dB room attenuation)

	q_{min} (m ³ /h)	q_{max} (m ³ /h)	Cooling effect $\Delta -8K$ (W)	$l_{0,2}$ (m)
125-400 + ALS 100-125	57	169	454	2,4
160-400 + ALS 125-160	92	259	696	3,4
200-600 + ALS 160-200	145	414	1113	4,2
250-600 + ALS 200-250	232	558	1500	5,0
315-600 + ALS 250-315	352	684	1839	6,1
400-600 + ALS 315-400	545	1008	2711	7,2

SWIFT Ceiling

Swirl terminal with "flush design".

The SWIFT C air diffuser has a perforated swirl pattern that enables discharge of air below room temperature and variable airflows. The swirling air discharge also makes a rapid reduction in air velocity that results in short throw length.



< 35 dB(A) 30 NR (4 dB room attenuation)

	q_{min} (m ³ /h)	q_{max} (m ³ /h)	Cooling effect $\Delta -8K$ (W)	$l_{0,2}$ (m)
200-500 + ALS 160-200	145	262	705	4,3
250-500 + ALS 200-250	178	310	834	5,1
200-600 + ALS 160-200	166	295	793	4,0
250-600 + ALS 200-250	224	396	1065	4,6
315-600 + ALS 250-315	259	450	1210	4,9

q_{min} - Min. airflow required for obtaining sufficient commissioning pressure.

q_{max} - Max. airflow for 35 dB(A) and max. open damper in commissioning box.

$l_{0,2}$ - Throw length $l_{0,2}$ is measured under isothermal discharge conditions.

What type of co-workers do you need?



		LOCKZONE C	EAGLE C	COLIBRI C	HAWK C	PELICAN C	SWIFT C
Office room 1 person Airflow 0,05 m³/s (200 m³/h) 1 air diffuser/room Room height 2,7 m	Δ T-5K	•	•	•	•	•	•
	Δ T-10K	o	•	•	o	o	o
Conference room 8 persons Air flow 0,24 m³/s (865 m³/h) 4 air diffusers/room Room height 2,7 m	Δ T-5K	•	•	•	o	•	o
	Δ T-10K	o	•	•	–	o	–
Functions							
	Extract air in the same design	x	x	x	x	x	x
	Designed pattern	x			x		x
	Adjustable spread pattern		x	x		x	
	Swirl function	x	x	x			x
	Provision for vertical air discharge		x	x			
	Designed for modular ceilings	x	x	x	x	x	x

• = Optimal o = Works – = Not recommended x = Functions

k Coefficient *k*

Swegon EAGLE C a
200-600
Tomelilla
Sweden
+ALSc 160-200/125-200
k-faktor=19,9/17,6
O.NR.: 12345

q Airflow diffused from the device

P Manometer measures pressure during adjustment

$q = k \cdot \sqrt{P}$

Easy commissioning provides effective co-workers

Find balance quickly and accurately.

1. Perforated plate for even air distribution.
2. The commissioning box is lined with effective sound attenuating material.
3. Damper.
4. Cords for damper adjustment.
5. Hose connected to pressure measurement nipple in the box.
6. Quick access function for easy mounting and dismantling diffuser plate.

Quick delivery, accurate measurement values and reduced demand for energy.

Find complete information about Ceiling Collection and our other air diffusers at www.swegon.com