



## **WATERBORNE CLIMATE SYSTEMS**

Optimum indoor climate with demand-controlled and energy efficient products

# Optimum indoor climate with Swegon's waterborne products

An optimum indoor climate means that you experience a comfortable temperature, do not hear any noise and do not feel any draughts. You simply enjoy being in the room, and are able to focus on your work in the office or the conference room, or to relax in your hotel room.

Swegon's waterborne products use water as a medium. Water is our natural source of life, and water's properties as a cooling and heating medium provide the capacity to effectively control the temperature of each room as required. There is no need for any fans, making the room both quiet and comfortable. The induction principle means that the waterborne products have a high capacity for effective mixing with the room air and supply high cooling capacity without the risk of draughts, with the result that the indoor climate feels perfect.

Swegon's waterborne products are easy to install and maintain, and have an adaptability that ensures that the products are able to satisfy both current and future needs. Water is able to carry more energy than air and in this way provides a more efficient system requiring less space. The operating costs are low and water systems are a good environmental choice.

Thanks to their stylish design, our climate systems blend in well in the room environments – ideally so you don't even notice them!

Swegon's waterborne comfort modules, chilled beams and perimeter climate systems deliver an optimum indoor climate!

All our waterborne products can be sized in our sizing software, Room Unit Design (RUD).

**"The best indoor  
climate for people  
and the environment"**





# PARASOL

## A comfort module for every requirement

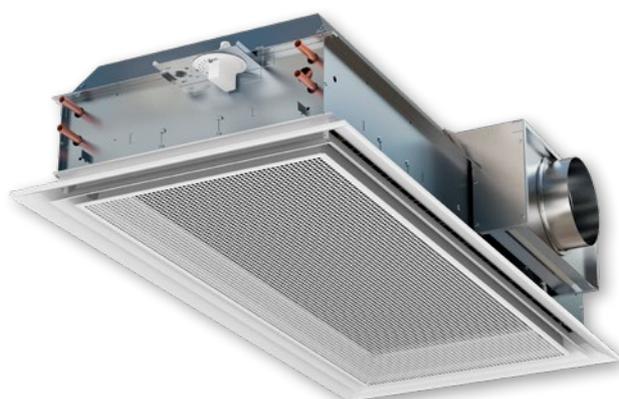
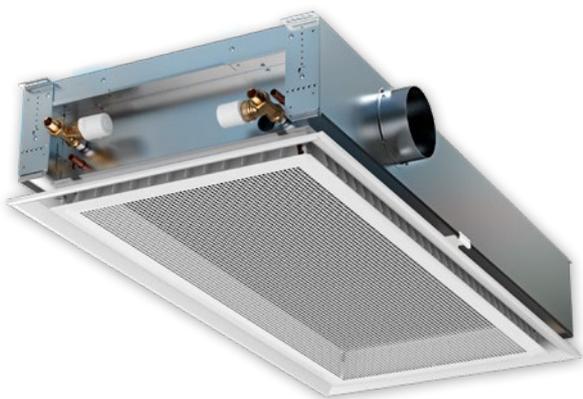
### PARASOL is a comfort module that combines climate beam efficiency with air diffuser flexibility

When people have an optimised indoor climate, they are happy, feel good and can focus easily. In offices, conference rooms and other workplaces, indoor comfort is of the utmost importance when it comes to people's job satisfaction and productivity. When supplied air is mixed quickly with the room air, and when the distribution pattern can be regulated section by section on all sides of the product, the optimum level of comfort is achieved and everyone in the room feels good and can focus on important tasks.

A comfort module differs from a climate beam by distributing air in four directions instead of two. This maximises the area for the mixture of supply air with the room air, which enables you to take out a high capacity, but without occupying more ceiling space than necessary.

PARASOL Zenith has been developed to handle large variations in the air flow rate, cooling and heating loads. The broad working range provides the potential for the tenant to make adaptations without changing the system. The high cooling capacity also means that a lower duct pressure or a higher cooling water temperature can be used, delivering perfect room comfort and saving energy. It has a low weight, compact dimensions and optional air connections on the short or long sides, which makes it easy to install.

PARASOL Classic is a reliable and cost-effective part of an indoor climate system. It offers good performance and considerable opportunities to adapt the air distribution according to the needs of the room.





# PARASOL Zenith

## Different control platforms

The activity level in an office or conference room varies over the day and it's therefore important to adapt the ventilation to prevent ventilating empty rooms as if they had a high level of occupancy. Large energy savings can be made with the right control system in the building. Simpler control options are available for existing systems or where you only need to regulate the water side.

For PARASOL there are different control options that can be adapted to the actual needs in the premises.

## PARASOL Zenith

PARASOL Zenith is a constant flow product which in its standard design comes with a dial for simple and quick setting of a fixed air flow from the slot openings.

Can also be integrated in the WISE system as a constant flow module with control of water valves.

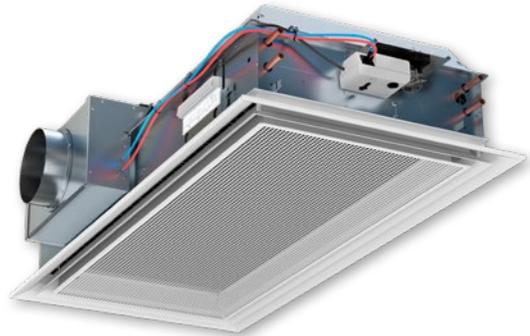


## REACT Parasol Zenith

REACT Parasol Zenith is part of the REACT family and is a simple and effective solution that ensures the indoor climate room by room in both new construction and renovation projects. Thanks to its built-in functions, such as flow adjustment and flow measurement, the product can easily be integrated by a control equipment supplier via Modbus communication.

The product is an excellent choice in smaller projects, where there are demands regarding room function but no demands regarding monitoring, system functionality or if the investment cost is decisive.

As standard, REACT Parasol Zenith has an actuator for flow control, a terminal block and an air connection with flow measurement.



## PARASOL Zenith VAV

PARASOL Zenith VAV is a demand-controlled stand-alone comfort module. With its unique, variable slot control and large working range it's always ensured that we supply the right air flow to the room and this with our functional regulator that offers many I/Os.

Can also be integrated easily into a main control system via Modbus.



## WISE Parasol Zenith

Swegon's WISE Parasol Zenith offers unique variable air flow control and conditioning of the room.

Slot control ensures that we always deliver the right air flow to the room regardless of the operating mode.

WISE Parasol Zenith with slot control is designed for demand-controlled ventilation, fully equipped with valves, actuators and control unit for wireless communications, for full integration with Swegon's WISE system.





# PARAGON, PARAGON Wall

## Compact, one-way air distribution comfort module for optimum comfort

### PARAGON

The PARAGON has been developed for the purpose of creating an optimal indoor climate, mainly in hotel rooms and hospital wards.

Hotel guests always have high expectations of their hotel room and make high demands when it comes to their hotel stay. In order for a room to feel perfect, it has to be quiet, draught-free and maintain the right temperature.

Staying in a well-ventilated, quiet and draught-free room with the right temperature is relaxing and healthy. And in the morning, guests have the pleasure of waking up refreshed and rested.

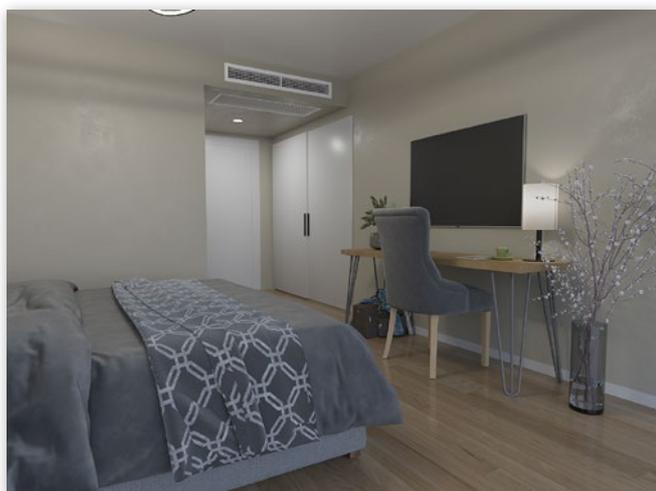
PARAGON ventilates and achieves the right temperature, works quietly and is extremely efficient. With a Paragon in the hotel room, the guests will want to come back.

The focus is on optimum comfort and low operating costs. The product is powered by a central air handling unit, so there is no need for an integrated fan and the product is maintenance-free.

### PARAGON Wall

PARAGON Wall is a variant that is particularly suitable in office rooms, where the unit can be installed above the false ceiling in the corridor and where the only thing installed in the room is the grille.

By using the same grille for both the distribution of supplied air and the recirculation of room air, PARAGON Wall can be installed outside the room. The benefits of this are that, by using the space above the false ceiling in the adjoining corridor, servicing can be carried out in the corridor without the need for access to the room served by the unit. With only one grille to take into consideration, only one opening needs to be cut in the wall.





# PARAGON

## Different control platforms

Occupancy in a hotel room varies during the day. It's important to adapt the ventilation to the actual need for both comfort and energy reasons. Comfortable temperature, fresh air and quietness go hand in hand with the guest's comfort and experience of the room. Regulating the indoor climate according to actual needs will result in a healthier and more comfortable indoor environment.

## PARAGON

PARAGON is a constant flow product which, in its standard design, comes with a dial for simple and quick setting of a fixed airflow from the slot openings.

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## PARAGON VAV

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# PARAGON Wall

## Different control platforms

Occupancy in an office varies during the day. It's important to adapt the ventilation to the actual need for both comfort and energy reasons. Comfortable temperature, fresh air and quietness in the office are important factors for a healthy and pleasant working environment. Regulating the indoor climate according to actual needs will result in a comfortable and healthy indoor environment, which is a prerequisite for an efficient working day.

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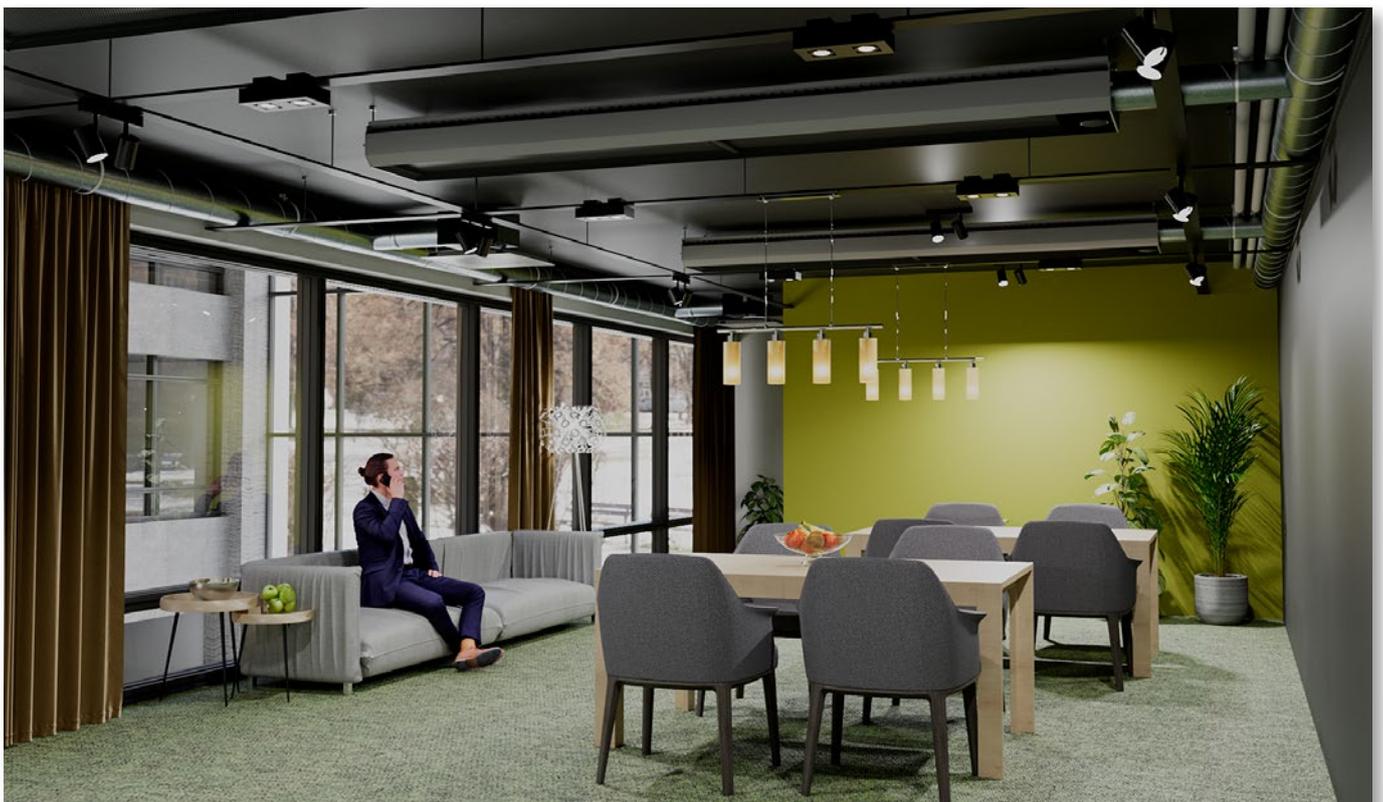
# ADRIATIC

## An active climate beam with high capacity and an attractive design that is good to look at

With its attractive design, ADRIATIC is ideally suited for visible installation, suspended or surface-mounted on the ceiling. It is stylish and is available in two versions and four different sizes.

The product, which cools, heats and ventilates the room, is available as a CAV, VAV and WISE product, ready-assembled at the factory. All the control equipment is concealed inside the product. The product can be ordered in several standard colours, in order to match or accentuate the product on the ceiling. If you want, there is also a connection casing available as an accessory for concealing water pipes and ventilation ducts.

The product is well suited for most premises, such as offices, conference rooms, restaurants and shops.



# PACIFIC

## An active climate beam that is adapted to the room for optimum comfort

PACIFIC is a product that is adapted to the room, rather than you needing to adapt the room to PACIFIC. The stylish design, in combination with its high level of flexibility, means that it blends in well in the surrounding environment. There is always a variant available that satisfies the varying needs as regards airflow, cooling capacity, heating capacity and noise requirements.

The PACIFIC modules can cool, heat and ventilate. It has a modular design to cope with the market's demands regarding various false ceilings. Optimum comfort in the room is achieved by being able, section by section, to regulate both the air volume and the distribution pattern along the long sides. There is considerable freedom of choice as regards placement, and the room is draught-free.

If the operations in a building change, the PACIFIC can be simply adjusted to provide maximum comfort, based on the new ventilation requirements.

The product consists of a capacity module and a design module that can be ordered with various dimensions for easy access to pipe couplings, etc. PACIFIC is a product that blends in well and delivers an optimum climate without any difficulty.



# PRIMO

## A perimeter wall unit for maximum room comfort in a minimum of space

Some offices and conference rooms have very little space for ventilation, yet the need for optimum comfort remains in order for the tenants to be happy, feel good and be comfortable in the premises. PRIMO is perfect for rooms with small dimensions – despite its compact format, it meets all the demands that a modern climate system has to fulfil, i.e. high air quality and no draughts or noise.

PRIMO is a perimeter system that can cool, heat and ventilate. Low pressure setting means low noise and low energy costs. The entire system is located along the facade, which means that no installation space is required on the floor, ceiling or in corridors.

PRIMO is made up of modules, and is therefore just as suitable for new constructions as for renovations and the replacement of older induction and mini air appliances. The modules are based on customised, prefabricated components that ensure rapid and flexible installation.

The nucleus in the perimeter system consists of perimeter wall units of different lengths, depending on airflow, cooling and heating demands as well as noise requirements. Customised, prefabricated pipes and ducts simplify the installation process and safeguard the quality. Several different casings can be selected based on demand and the required design.





# WISE

WISE is the smartest solution for demand-controlled indoor climate on the market, and combines optimal comfort with the lowest possible energy use. WISE is a complete system with all the products you need for your indoor climate, including a smart control system and an easy-to-use user interface. WISE is based on a unique technology that forms a safe and flexible system that also simplifies each step of the way – from system selection and planning, to installation and commissioning. This makes it possible to satisfy the highest demands in each project – be it the environment, net operating income or comfort

## Products and accessories

### Wireless communication for easy system design

WISE provides maximum freedom to create the best combinations of products for each individual room. Instead of starting off with a number of components and trying to make these into a system, you create the system and choose products based on the need in each room and zone.

This is possible thanks to our flexible products, wireless communication and through the SuperWISE user interface.

### User interface

SuperWISE is the WISE system's interface with which the user integrates and communicates with the system and its products. Here you'll find all requisite information, without it being complicated or confusing.

### Climate products

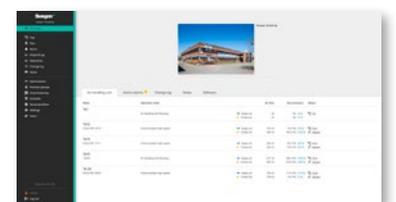
The WISE system's climate products handle air, heating and cooling for a perfect indoor climate. The products have integrated dampers for air regulation and they are "plug & play", i.e. the products have mounted actuators and valves – just install and connect!

### Waterborne WISE products

WISE Parasol Zenith/WISE Paragon/WISE Adriatic demand controls the airflow as well as cools and heats in a waterborne system for the best energy efficiency and comfort. The products can be adapted and combined to meet the comfort requirements in most projects, both now and in the future. A complete and flexible product with adjustable air distribution pattern – all accessories are factory mounted.

### Waterborne products

All Swegon's waterborne products can be integrated in the WISE system with the help of the factory-mounted control units.



# REACT

With REACT, it is easy to select the right solution in order to safeguard the indoor climate in each room, regardless of whether it is a case of a renovation or a new construction project. Based on the requirements for each room, the range of adaptable climate products is matched with suitable accessories to achieve the desired room function. The solution is suitable both for small projects that demand control of the indoor climate in individual rooms, as well as for entire properties. It also offers effective installation, enabling the room to act as an independent unit or to be integrated easily in a system for property automation.

## Products and room accessories

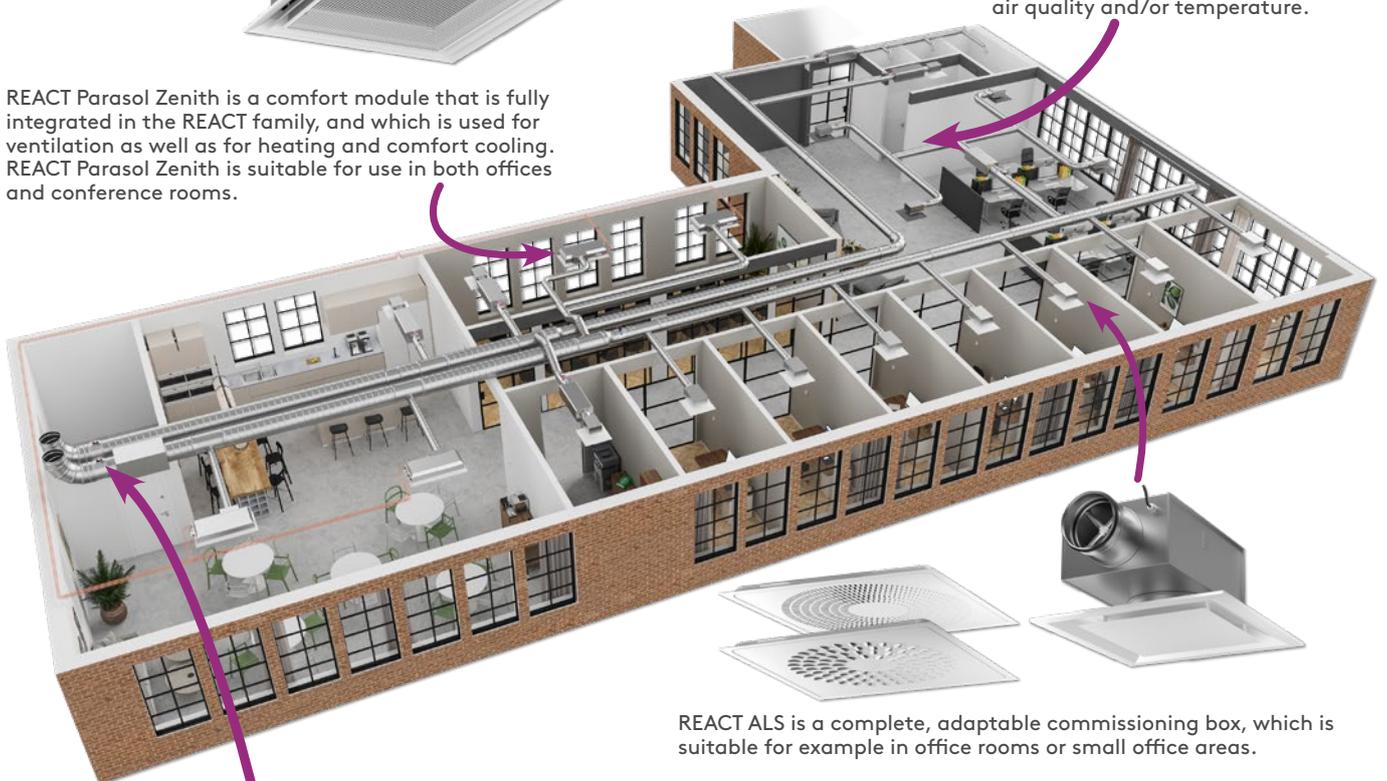
The range in the REACT family includes a commissioning box as well as air diffusers, comfort modules, climate beams and dampers, all of which are equipped with a function for variable airflow (VAV). They can also be combined with accessories in order to measure and control the indoor climate in each room. The products are easy to install, as they have been developed with space, time and cost in mind.



REACT Parasol Zenith is a comfort module that is fully integrated in the REACT family, and which is used for ventilation as well as for heating and comfort cooling. REACT Parasol Zenith is suitable for use in both offices and conference rooms.



Swegon's accessories can be used for supervision and adaptation of the indoor climate based on occupancy, air quality and/or temperature.



REACT ALS is a complete, adaptable commissioning box, which is suitable for example in office rooms or small office areas.



# Quick guide



	PARASOL Zenith	REACT Parasol Zenith	PARASOL Zenith VAV	WISE Parasol Zenith	PARASOL Classic	WISE Parasol	PARASOL EX	WISE Parasol EX
<b>Function</b>								
Cooling	✓	✓	✓	✓	✓	✓	✓	✓
Heating	✓	✓	✓	✓	✓	✓	✓	✓
Supply air	✓	✓	✓	✓	✓	✓	✓	✓
<b>Airflow</b>								
Constant CAV	✓	✓			✓		✓	
Variable VAV			✓					
Demand controlled DCV				✓		✓		✓
<b>Installation</b>								
Integrated	✓	✓	✓	✓	✓	✓		
Suspended	*	*	*	*	*	*	✓	✓
Propagation Paths	4	4	4	4	4	4	4	4
<b>Airflow</b>								
Up to: (l/s)	100	100	100	100	85	85	55	55
Up to: (m³/h)	360	360	360	360	300	300	200	200
<b>Capacity: cooling</b>								
Up to: (W)	2135	2135	2135	2135	2055	2055	1930	1930
<b>Capacity: heating</b>								
Water, up to: (W)	3500	3500	3500	3500	2700	2700	2450	2450
Electricity, up to: (W)					1000	1000		
<b>Size:</b>								
Width (mm)	600	600	600	600	600	600	690	690
Length (mm)	600,1200,1800	600,1200,1800	600,1200,1800	600,1200,1800	600,1200	600,1200	690,1290	690,1290
Height (mm)	220,250,290	220,250,290	220,250,290	220,250,290	220,240	220,240	250	250

All our waterborne products can be sized with the aid of our sizing software Room Unit Design (RUD)  
 \* Can also be installed suspended with the aid of ready-to-use accessories

# Quick guide, continued



	PARAGON	PARAGON VAV	WISE Paragon	PARAGON Wall	PARAGON Wall VAV	WISE Paragon Wall	PRIMO
<b>Function</b>							
Cooling	✓	✓	✓	✓	✓	✓	✓
Heating	✓	✓	✓	✓	✓	✓	✓
Supply air	✓	✓	✓	✓	✓	✓	✓
<b>Airflow</b>							
Constant CAV	✓			✓			✓
Variable VAV		✓			✓		
Demand controlled DCV			✓			✓	
<b>Installation</b>							
Integrated	✓	✓	✓	✓	✓	✓	✓
Suspended							
Propagation Paths	1	1	1	1	1	1	1
<b>Airflow</b>							
Up to: (l/s)	85	85	85	85	85	85	45
Up to: (m³/h)	306	306	306	306	300	300	160
<b>Capacity: cooling</b>							
Up to: (W)	3180	3180	3180	2682	2682	2682	1930
<b>Capacity: heating</b>							
Water, up to: (W)	5060	5060	5060	4274	4274	4274	2030
Electricity, up to: (W)	1000	1000	1000	1000	1000	1000	1000
<b>Size:</b>							
Width (mm)	722 (+0-20)	722 (+0-20)	722 (+0-20)	722 (+0-20)	722 (+0-20)	722 (+0-20)	
Length (mm)	800,1100,1400	800,1100,1400	800,1100,1400	800,1100,1400	800,1100,1400	800,1100,1400	600-1600
Height (mm)	225	225	225	286	286	286	From 365

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# Quick guide, continued

	ADRIATIC	ADRIATIC VAV	WISE Adriatic	PACIFIC	FRB
					
<b>Function</b>					
Cooling	✓	✓	✓	✓	✓
Heating	✓	✓	✓	✓	✓
Supply air	✓	✓	✓	✓	✓
<b>Airflow</b>					
Constant CAV	✓			✓	✓
Variable VAV		✓			
Demand controlled DCV			✓		
<b>Installation</b>					
Integrated				✓	
Suspended	✓	✓	✓	*	✓
Propagation Paths	2	2	2	2	-
<b>Airflow</b>					
Up to: (l/s)	98	98	98	75	-
Up to: (m³/h)	353	353	353	200	-
<b>Capacity: cooling</b>					
Up to: (W)	3620	3620	3620	3400	1000
<b>Capacity: heating</b>					
Water, up to: (W)	6833	6833	6833	3500	-
Electricity, up to: (W)	1000	1000	1000	1000	-
<b>Size:</b>					
Width (mm)	450/513*	450/513*	450/513*	594 – 667	430
Length (mm)	1200, 1800, 2400, 3000	1200, 1800, 2400, 3000	1200, 1800, 2400, 3000	1194 – 3043	1200 – 3900
Height (mm)	190/194*	190/194*	190/194*	163 – 277	133
* Ellips					
					

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 \* Can also be installed suspended with the aid of ready-to-use accessories



# A long-term partner

## Local presence

Swegon has a network of qualified engineers and technicians near you. They carry out commissioning of ventilation systems, repairs and maintenance. Our spare parts warehouse carries parts and accessories, including for older versions of our products.

## Expertise

Swegon's technicians have solid expertise in ventilation, cooling and indoor climate systems. Swegon is committed to maintaining its industry lead, and attaches great importance to training and upskilling our technicians on the latest advances in the industry.

In this way, we always have the right resources and capabilities to assist you in achieving and maintaining dependable systems.

## Operation & maintenance

Our comprehensive services comprise commissioning of diverse system solutions, together with troubleshooting, repairs and maintenance services. We also offer monitoring of your facility, including software updating and fault prevention services.

## Aftersales service

Swegon strives to assist its customers, wherever you're located, to identify the right solution for your premises. For refurbishment projects, we can help to propose the ideal solution for you in relation to space, operating costs and building use. Naturally, we can also assist you in both de-installation and installation of new products and solutions. In the unlikely event that any product or service from us fails to perform as expected, you have the peace of mind of our product warranty.



# Swegon's global presence



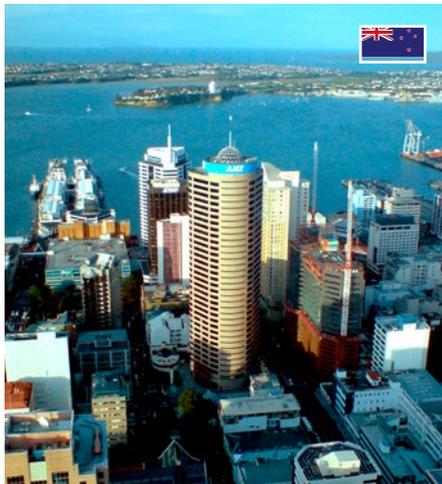
BBVA Head Office, Madrid



Stockholm Waterfront



CitizenM Hotel, Glasgow



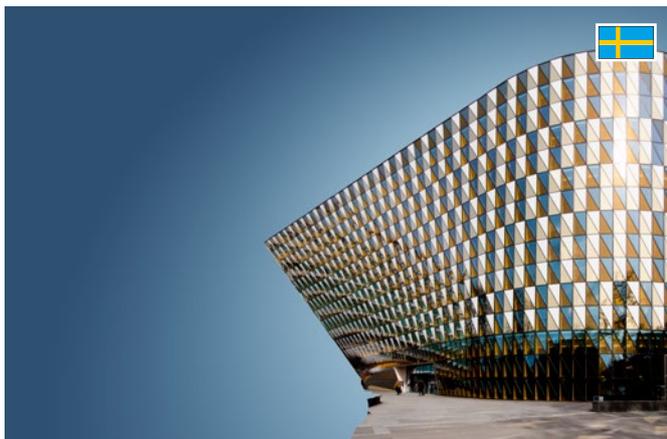
ANZ Tower, Auckland, New Zealand



Scandic Victoria Tower, Stockholm



Quality Hotel Rivers Station, Drammen



Karolinska Institutet, Stockholm



Volkswagen, Dresden

Feel free to read more on our website

[www.swegon.com](http://www.swegon.com)

Feel good **inside**

