



THE PACIFIC

Let us introduce our
new chilled beam

Swegon 

Optimal room comfort

The PACIFIC chilled beam is designed to provide exceptional flexibility for any project. Its modular design allows for seamless integration into various architectural styles, making it suitable for both new constructions and renovations. With a wide airflow range and an innovative approach to climate control, the PACIFIC chilled beam is an excellent choice for creating an optimal indoor environment. Made from recycled and renewably produced steel, it underscores a commitment to sustainability and our planet.

PACIFIC is an active chilled beam featuring two-way air distribution. Its Flow control system ensures optimal performance across a wide airflow range and enables pressure-independent control enhancing both energy efficiency and indoor environmental quality.

The PACIFIC chilled beam comes standard with Anti-Draft Control (ADC), allowing for easy air distribution pattern adjustments when room layouts change.

PACIFIC has a modular design with each module is available in four different sizes:

- 1200, 1800, 2400, 3000 mm

The product is available with two different functions:

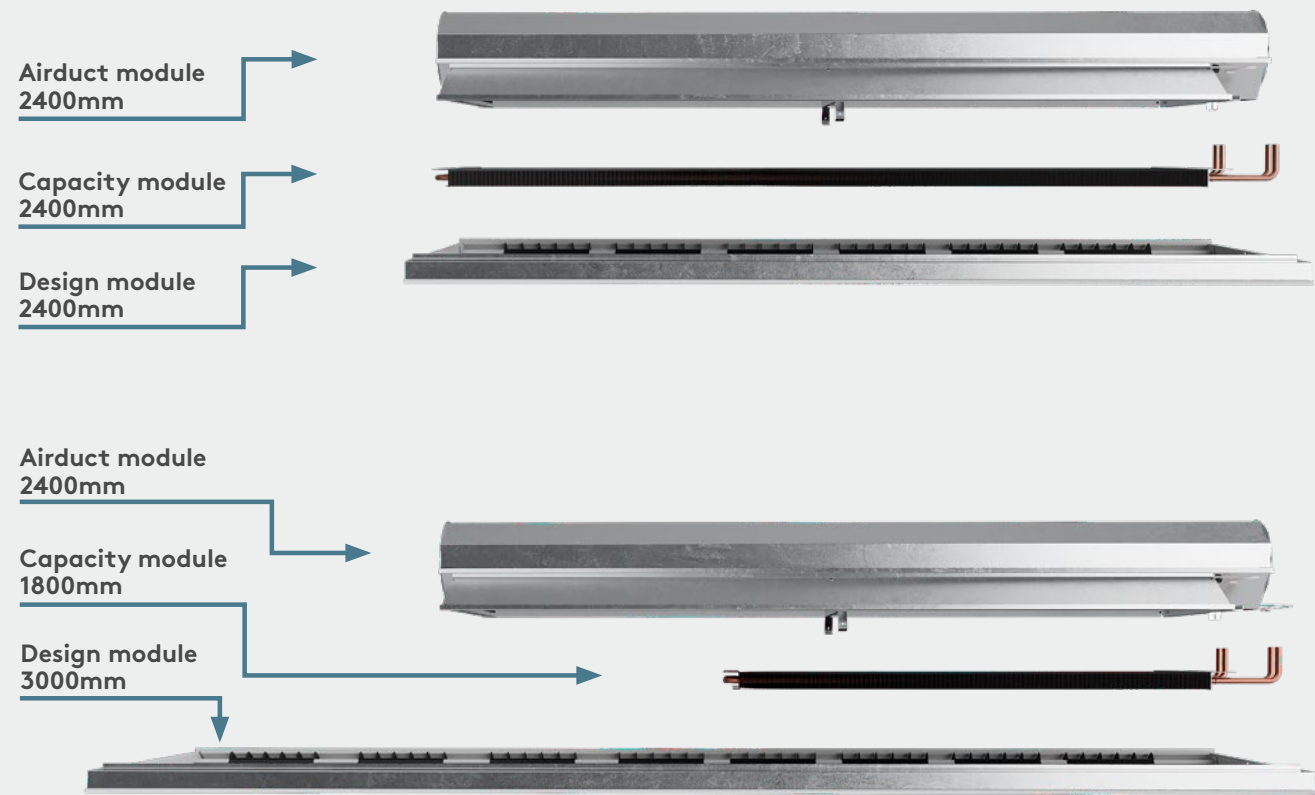
- Supply air and hydronic cooling
- Supply air and hydronic cooling and heating

Additionally, the design module can be extended to include a service hatch or supply air and extract air module, providing flexibility in project design. These features not only enhance the indoor environment but also contribute to cost savings and sustainability.

Modularity

As buildings and equipment become more energy-efficient, the demand for heating and cooling decreases. However, the need for fresh air is determined by the number of occupants in the building. The PACIFIC chilled beam addresses these evolving requirements with its modular design.

The capacity module can be tailored to meet specific heating and cooling demands, while the fresh air module can be sized according to the designed number of occupants in the room.



Different control platforms

The level of activity in an office or conference room varies during the day. To maintain an optimal indoor environmental quality throughout the day, the indoor climate needs to be operated to the actual needs. This will improve the well-being and performance of the buildings occupants and reduce overall energy consumption.

PACIFIC can be configured with different control options to fit most building requirements.

PACIFIC

PACIFIC in the standard design has a positioning lever for easy and fast setup of a constant air flow from the slot openings.

The product can be integrated in the WISE system as a constant air flow beam with optional control of supply water valves.

PACIFIC AWC

PACIFIC AWC (Air and Water control) for demand-controlled indoor climate.

PACIFIC AWC has integrated controls for stand-alone operation. Depending on the room requirement, PACIFIC AWC will regulate water valves and adjust the air flow for an optimal indoor environmental quality.

REACT Pacific

REACT Pacific features variable airflow control that continuously compensates for pressure variations in the system. It supports Modbus RTU, BACnet, and 0(2)-10 VDC for easy integration with building management systems (BMS).

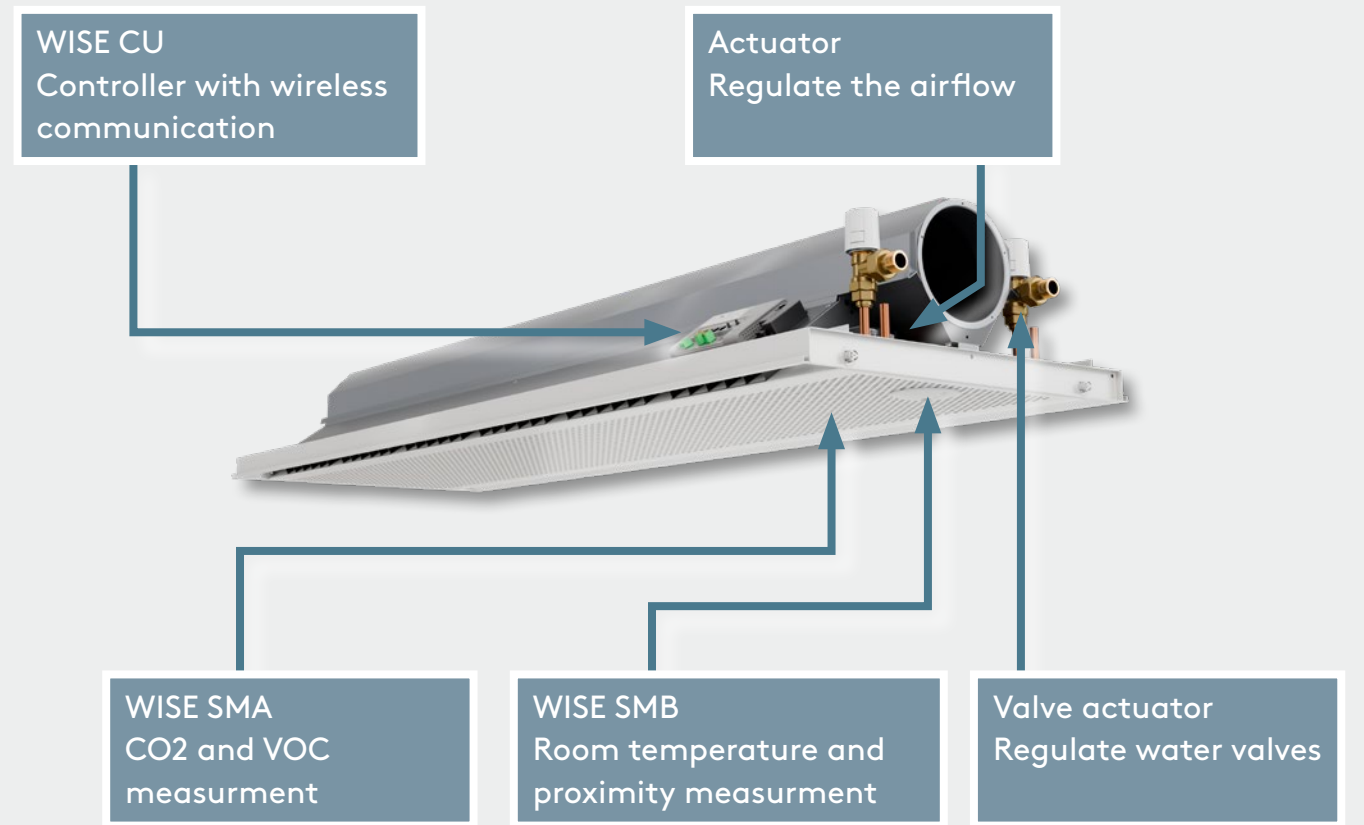
WISE Pacific

WISE Pacific offers unique demand controlled ventilation with full wireless integration to Swegon's WISE system.

WISE is a complete system comprising all the products you need for your indoor climate, including a smart control system and an intuitive user interface.

The product can also be delivered with additional, factory-fitted control equipment, such as WISE SMA and WISE dewpoint monitoring.

Example with WISE Pacific



Flow Control

Having the entire airflow available for each product size simplifies project design and future layout changes, as airflows can be adjusted using an positioning lever.

In Variable Air Volume (VAV) and Demand Controlled Ventilation (DCV) systems, this feature helps to maintain high induction throughout the working airflow range. This can increase cooling capacities at lower airflows by up to 40% compared to conventional nozzles.

With Swegon's integrated control systems – REACT, AWC and WISE – the control mechanism automatically compensates for pressure variations in the duct system, ensuring that the desired airflow is maintained.

Sustainability

RE:3 is a Swegon concept based on the key principles of circularity: RE:duce, RE:use, and RE:vitalise. The PACIFIC product line has been designed around these principles to help a wide audience make conscious, long-term decisions regarding reduced embodied carbon levels in buildings.

- RE:duce: PACIFIC uses recycled and renewably produced steel, reducing the product's carbon footprint.
- RE:vitalise: PACIFIC has been designed for easy upgrades to our VAV or DCV solutions with ready-made kits for future digital renovations. PACIFIC's modular design allows parts to be easily replaced like the heat exchanger or control equipment, eliminating the need to replace the entire product. This makes it easy to reuse Pacific in new construction projects and refurbishment of existing facilities.



Design

PACIFIC is designed for seamless ceiling integration, offering flexible linear installation in both continuous series and individual units to accommodate a wide range of architectural designs. This design allows for creative and functional solutions that can adapt to various interior layouts and design preferences.

Installation in open plenum ceilings

For renovated buildings where open plenum ceilings are desired, PACIFIC allows architects and designers to realize their vision without compromise. With PACIFIC's Coanda wings, air distribution is optimized, ensuring comfort and preventing drafts in the occupied zone.

Chilled beam in several colours

Swegon's chilled beam, with its modern design, can also be ordered in several standard colours

Interior designers can be creative with the design, allowing the products to stand out or blend into any indoor environment, at the same time as being aesthetically appealing.

PACIFIC can also be specially ordered in optional colours or relief finish paint.



PACIFIC with coanda wings in open plenum ceilings



PACIFIC ceiling integrated



PACIFIC ceiling integrated in series

Feel good **inside**

