

Swegon Solutions



Swegon SHOPPING CENTRE™

Complete package solution for
an invigorating indoor climate in large stores.

Swegon
ENERGIZING INDOOR CLIMATE

Indoor Climate for the wellbeing of Shoppers.

The GOLD air handling system together with BOOSTER air diffusers in the Swegon Shopping Centre package solution are a perfect combination for the ventilation, heating and cooling of large stores, shops and malls.

Special needs

The indoor climate in large stores makes it necessary to satisfy special needs. The temperature must be uniform all year round and every hour of the day. Excess heat is generated nearly all day and most often there are wide temperature variations in various parts of the site. Large glazed surfaces make heating necessary. Many of the stores have vast floor area and high ceilings.

Swegon Shopping Centre

The GOLD unit and BOOSTER air diffusers meet these demands in an extremely effective manner in the Swegon Factory package solution.

The GOLD supplies air, heat and cooling energy and has built-in control equipment. The GOLD is equipped with a recirculated air damper accessory, which provides energy-saving and effective heating at night and early in the morning.

The BOOSTER air diffusers are split supply air devices specially suited for supplying both heat and cooling energy.

Whenever heating is required, the supply air passes through the upper section fitted with a disc. The air is thrust at high velocity downwards toward the floor without causing draughts or flow-generated noise.

Whenever cooling is needed, the supply air passes through the lower, perforated section. The air is supplied at low velocity and naturally seeks a flow path toward the floor.

Swegon Bonus



Swegon BONUS

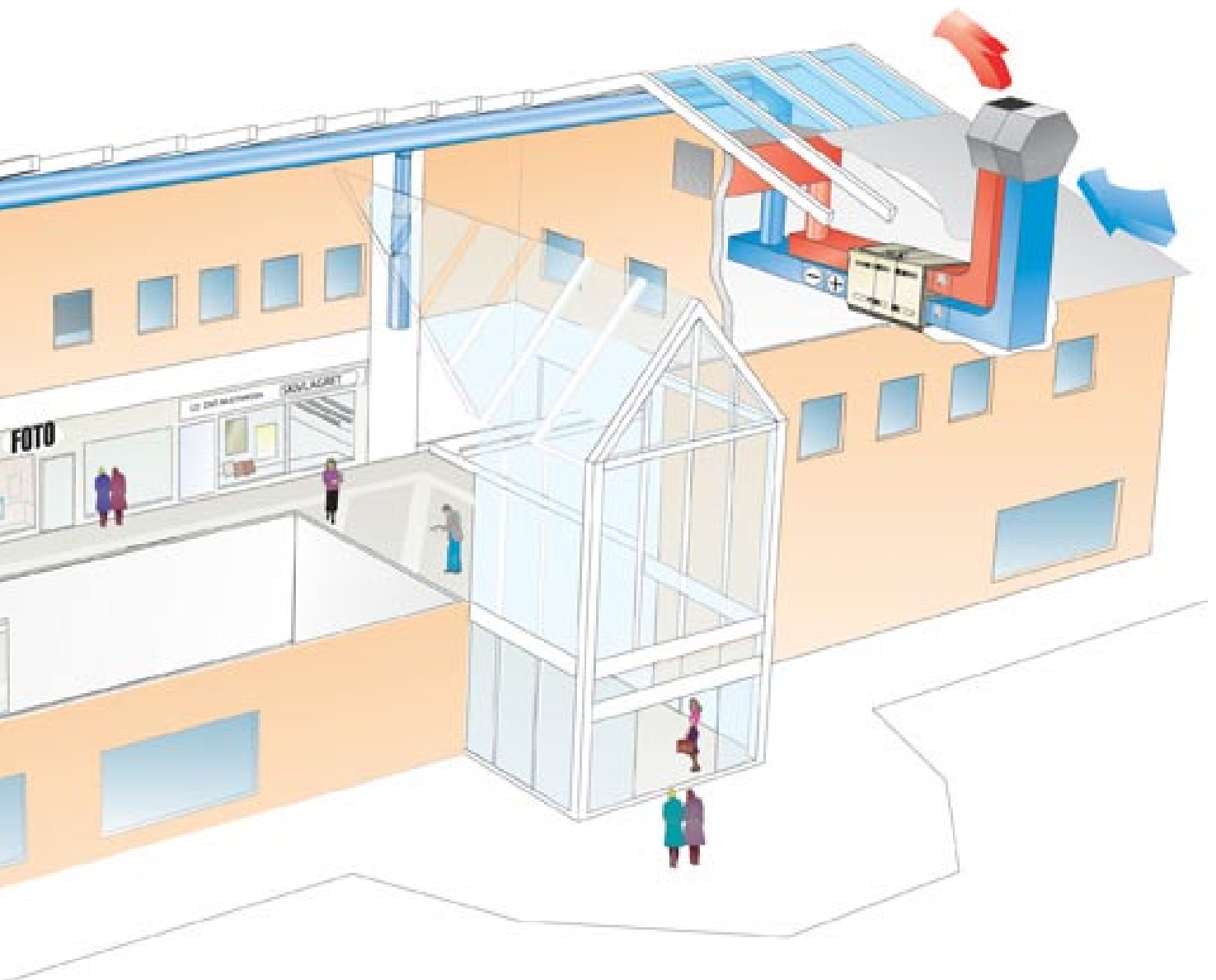
Complete and coordinated system makes it simple and reliable to design into projects and size. The air diffusers don't take up floor space.

One and the same system for ventilation, heating and cooling lowers initial investment costs and makes servicing a simple task. Control of all the units runs smoothly.

The temperature and airflows are always right providing optimal operating economy.

Utmost comfort in terms of low sound level, draught-free air currents and optimum air quality provide an invigorating indoor climate.

Eurovent certificated air handling unit with zero tolerance means that all data we specify is consistent with actual performance.



The Components of the System

GOLD air handling system with air cooler, air heater and recirculated air damper. Shut-off dampers for outdoor air and exhaust air.

BOOSTER air diffuser with flow-boosting function. All necessary control equipment.

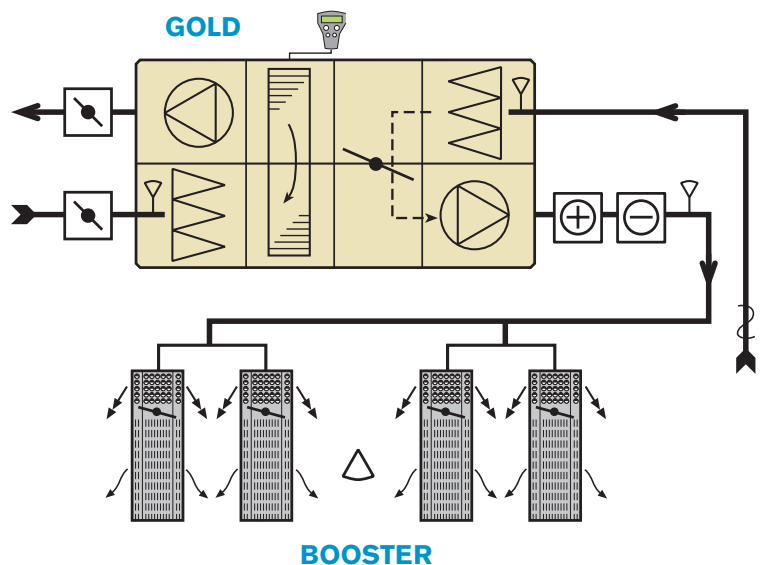
Functions

Store with no occupants: 100% recirculated air, heating if required.

Prior to opening: 100% recirculated air, MORNING BOOST: the temperature is raised to desired degree.

While open: Design ventilation flow. On a heating load: boosted heating. On a cooling load: boosted cooling.

Automatic damper operation in the BOOSTER for supplying heated or chilled air.



The Products in SwegonSHOPPING CENTRE

GOLD Air Handling System

The GOLD is a complete one-piece air handling unit for comfort ventilation. The GOLD is available in several sizes for air-flows up to 7.8 m³/s. The unit has power-efficient, speed-controlled Wing type fans and energy-efficient type Reconomic rotary heat exchangers. The unit is fitted with Class F7 filters.

The GOLD has built-in type IQnomic control equipment which incorporates a large number of built-in functions, which can be activated as the need arises.

The control equipment can communicate with the majority of supervisory systems available on the market and in a network with web interface.

The GOLD is certificated, with zero tolerance, by Eurovent.



BOOSTER Air Diffusers

The BOOSTER is an air diffuser for buildings that have high ceilings, such as large stores, industrial buildings, sport centres, etc. The BOOSTER air devices don't require any floor space. They can be secured to and suspended from the ceiling or secured to a wall. The devices are available in sizes for airflows up to 1800 l/s.

The BOOSTER air devices are especially well-suited for buildings in which heating is required at night and in the morning and cooling is required as the day progresses.

The upper section of the air device is equipped with Swegons' unique aerodynamic disc and the lower section is equipped with Swegons' flexible Varizon air distribution system.

Whenever heating is needed, the upper section of the air device is used for supplying air at high velocity. Whenever cooling is needed, the lower section of the air device is used for supplying air at low velocity.



Swegon produces air handling systems, power roof ventilators, air devices, waterborne climate systems for installation in ceilings and along perimeter walls, acoustic products and control systems.

www.swegon.com

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