

Chiller
AIR-CONDITIONING

Functional and innovative air-conditioning solutions

- customer-based product development
- easy to install and service
- can be integrated in various architectonic solutions
- stylish design

StudioLine™ flat blower units

StudioLine™

flat blower range:

Next-generation innovative fan coils

- Cooling
- Heating
- Cooling/Heating

StudioLine™ is a fan coil concept developed by Chiller Oy. The sound pressure and vibration level of the devices is only a fraction compared with mass market products.

Steady air flow and silence

A lamella coil that conducts heat is installed on the suction side of the fan, so that a steady air flow through the coil can be guaranteed also at low air speeds.

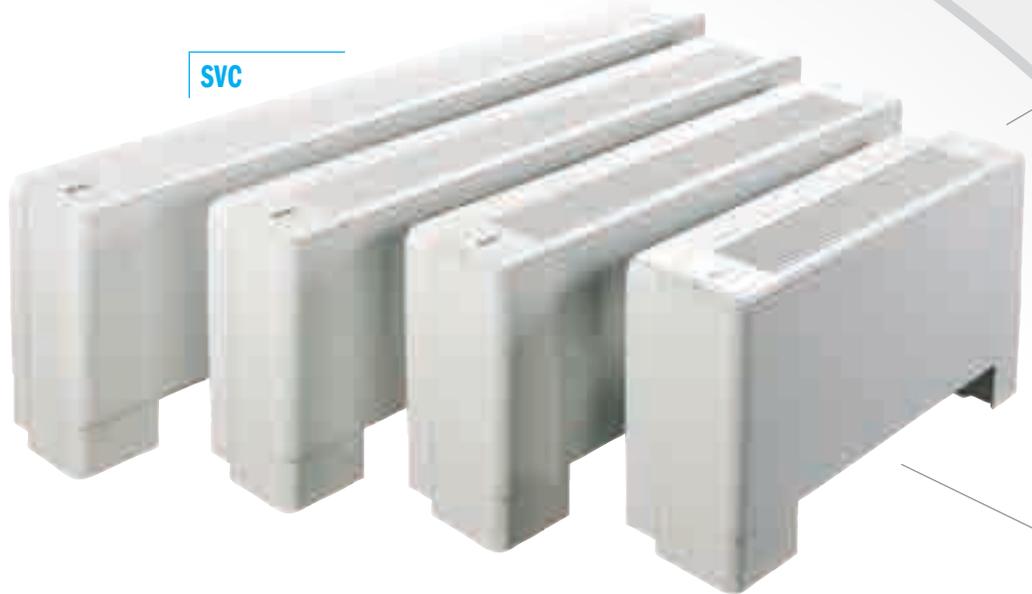
The fan has a sound-absorbing structure. The fan is installed in the centre of the mass of the motor, and the generated sound is partly dampened by the mass of the motor. This solution avoids the torque effect of the fan and the resulting vibration that occurs in solutions installed on the head of the shaft. The linearity of the stator and rotor is guaranteed by aligning them with each other.

In motors, durable ball bearings are used instead of quickly wearing sleeve bearings. In this way, no horizontal movement and sounds resulting from it occur in the fan.

In the structures, special attention has been paid to the materials used. For example, the condensation pan is made of stainless steel.

Condensation water pump

A condensation water gravity outlet pipe connection is always supplied as standard in the device, and permits the water to be led to the drain network. Alternatively, condensation water can be drained from the unit with a rotary pump whose sound pressure level is less than 28 dB(A). The pump's own sensor controls it according to the level of the condensation water in three steps (start, stop, alarm). We recommend 600 mm as the maximum lift head.



Control

The control valve can be installed inside the device already at the factory, so there is less to connect at the work site. The device and the valve are pressure tested at the factory. The electronic wall controller THT 310F-24V has three different functions: cooling, heating, and cooling/heating. In addition to the valve, the wall controller automatically adjusts the three speeds of the fan.

The electronic wall controller THT 320F-24V has the same features as the THT310F controller, with additional adjustment of the dead zone and implementation of two different set points with an external message. Both controllers are visually identical.

Hotels and studios

For cooling hotels and studios, we can provide customised devices containing intake and pressure chambers with different integrated grilles and swirl diffusers. The biggest hotels in Scandinavia use technology manufactured by Chiller Oy.



Condensation pan made of stainless steel

Accessories

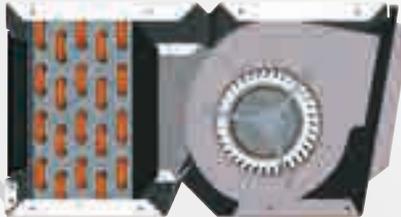
Features

SHLK-IK-PK-IS-PS



A typical hotel convector.

SHLK

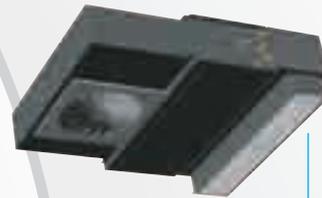


At slow flow rates, the coil is at the front part of the fan.

SHLC



Fan in the centre of mass of the motor ball bearing.



SHLK-IK-PK-PH-IS

Flat blowers equipped with different suction and pressure chambers.



Valves at the end of the devices, a rotary condensation pump is optional



Plug-in connection as standard.



SVKS



Electronic wall controller THT 310F and THT 320F



OUR SALES AND MAINTENANCE NETWORK AT YOUR SERVICE

Chiller Oy is one of Europe's leading manufacturers of energy-efficient and optimized air-conditioning solutions. Design and service are always based on the customers' specific requirements. For more information, please contact our head office or foreign business partners.

► Read more: www.chiller.fi

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Overall Concept