



HYGIENIC UNIT (KG FLEX)

**Can be cleaned completely and
disinfected properly**

Use of antibacterial materials

Airflows up to 60,000 m³/h

Use

A reliable and hygienic air handling unit is essential when even the smallest climate change can affect people's health. Examples include operating theatres, hospitals, cleanrooms, laboratories, and the IT industry, where good hygiene and a dust-free environment are extremely important to the indoor climate and the quality of the service and/or production.

The hygienic units comply with DIN 1946, VDI 6022 and VDI 3803, and are designed in such a way that the air handling units can be cleaned easily and completely, disinfected properly, and have better visual inspection options. All materials are antibacterial.

Characteristics

- Airflows of 800 m³/h to 60,000 m³/h.
- Can be positioned indoors or outdoors.
- With or without heat recovery.
- Eurovent certified.

Version

Has internal and external powder coating in RAL 7035 GL S and RAL 9016 GL S (at your choice). Other RAL colours available on request (additional cost). Housing made of aluminium profiles and double-walled, insulated, coated, and galvanised panels.

The hygienic units provide a complete range of options, with or without heat recovery and/or recirculation, or as a supply or just a return version.

They are available as a horizontal, stacked, or vertical air handling unit. The extremely comprehensive options also include humidification and an integrated heat pump.

The hygienic units are a series of modular air handling units that can be fitted with optional field equipment and/or a fully integrated Siemens DDC control.

They are available for indoor or outdoor positioning, as a left-sided or right-sided version, monoblock or split version in modules. The units can be maintained and inspected with properly closing doors.

Optional

Expansion options, such as:

WW heater, E heater, KW cooler, DX cooler, DX cooler/heater (inverter), change-over cooler/heater, integrated cooling, plate exchanger, heat recovery wheel, twin coil, humidifier, attenuators, mixing section, empty section, and more.

With the hygienic unit, you can also opt for:

- High-efficiency EC plug fan (IE4/IE5). Or a direct-driven AC plug fan, including supply and fitting.
- of frequency controllers for AC motors (IE3)
- Supply and fit field equipment and/or internal cabling.
- Optional fully integrated automatic Siemens DDC control, fully wired.

Classification/certification

Mechanical and thermal properties compliant with EN1886.

Mechanical stability:	class D1
Airtightness class:	class L1
Bypass filter:	class F9
Heat insulation:	class T2
Thermal-bridge factor:	class TB2

Energy class A⁺/A compliant with Eurovent.

Complies with the EU Ecodesign Regulation no 1253/2014, ErP 2018.



Eurovent certified under no 23.03.005.

Certified in accordance with:

EN 1886:2003	VDI 6022
EN 13053:2004	DIN 1946
VDI 3803	