



MODULAR UNIT (KG FLEX)

For major, complex projects

Fully customised configuration

Airflows up to 190,000 m³/h

Use

Large, complex projects call for flexible air handling systems, both in application and use. For projects such as these, Solid Air has a modular air handling unit with airflows of up to 190,000 m³/h.

This modular unit has many different configuration options based on project-specific customisation and a range of accessories and options for efficient air handling and climate control. Furthermore, the unit has dimensions that are accurate to the millimetre and achieves optimum results when it comes to available space and other project-specific requirements.

Characteristics

- Airflows from 400 m³/h to 190,000 m³/h.
- Fully customised configuration.
- Can be positioned indoors or outdoors.
- Horizontal, stacked, or vertical version.
- Panel thickness of 50 mm.
- Low noise production and radiation.
- Fiscal benefits possible (Energy Investment Allowance asset code 210801).

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 modular 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 and in standard, hygienic, or swimming-pool versions.

The extremely comprehensive options also include humidification and an integrated heat pump.

The modular units are a series of modular air handling units that can be fitted with optional field equipment and/or integrated controls.

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 modular 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 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.

