

## SPECIFICATIONS: SLIR Inverter NAKED MODEL

### Construction drawing for specifications

Recessed water-cooled Bi2 SLIR cooler-radiator for cooling, heating and also radiant heating in a highly energy-efficient manner.

Available in five sizes (200, 400, 600, 800, 1000).

At only 12.6 cm deep and with a formwork kit measuring 14 cm, the unit is the most slimline on the market and is extremely simple to install, and completes the aesthetic radiant panel.

The Bi2 SLIR is suitable for vertical recessed installation on a wall.

### Description of construction for specifications

The SLIR consists of:

- frame in galvanised sheet metal
- a heat exchange coil comprising copper pipes and corrugated fins in hydrophilically treated aluminium secured by means of cold expansion
- air vent valves on the coil manifolds
- fan assembly with tangential fan in synthetic material with staggered fins
- high efficiency brushless DC motor on flexible supports with electronic control of the rotational speed
- honeycomb filter in polypropylene on the air intake; the filter can be washed with water or compressed air
- drip tray in PVC suitable for vertical installation
- hydraulic connections on the left, reversible ones on the right when requested in the order or during the installation phase
- air outlet grille in painted steel that can be installed in either of two positions
- structure of limited depth (only 129 mm)
- 3/4" Eurocone hydraulic connections

The Bi2 SLIR must be installed with the recessed formwork kit in galvanised sheet metal and the recessed radiant infill panel kit in painted galvanised steel.

### ELECTRONIC CONTROLS

**B0685** Bi2 Inverter control kit for remote control. Can be combined with the B0736 control kit.

The B0736, or a controller with compatible communication protocol, transmits the main operating parameters, the set point and the room temperature to all the fan coils on the network for seamless operation. It has a 230VAC output for control of an electrovalve, two voltage-free contacts for control of a chiller or heater, and a presence input.

Operation with MODBUS, RS485 ASCII protocol (available on request).

Compatible with Aquadue control for heat pump systems by Olimpia Splendid.

Compatible with the MyHome domotic system by Bticino.

**B0756** Kit for remote control via a 0-10VDC analogue input or five power contacts. It has a 230VAC output for control of an electrovalve and a water sensor input with minimum water sensor function (in the case of contacts).

**B0736** LCD chrono-thermostat wall remote control kit. Can be combined with the B0685 control kit.

Wall LCD chrono-thermostat control for MODBUS, RS485 connection. Control of up to 30 units. Selection of required temperature, operating mode, ventilation speed, manual/chrono-thermostat mode. Room sensor in the control. Backlit LCD display: Presence contact input. The control has a 230V/12 VAC power transformer with double insulation and buffer battery. Wall installation with spacing between holes compatible with standard 503 recessed box. Compatible with Aquadue control for heat pump systems by Olimpia Splendid.

### HYDRAULIC KITS

**B0139** Kit of 2-way valves with thermoelectric actuator.

The kit consists of a two-way valve with thermoelectric actuator and a holder; the former controls the heat emission of the terminal by regulating the flow of water; the holder minimises pressure drops in the system.

**B0635** Kit of 3-way valves with thermoelectric actuator.

The kit consists of a three-way diverter valve with thermoelectric actuator, and a holder.

The former controls the heat emission of the terminal by regulating the flow of water; the holder minimises pressure drops in the system; the bypass keeps the water circulating in the system. This kit is an alternative to the two-way electrovalve kit.

**B0205** Manual two-way valve kit.

The kit consists of a valve and a holder; the former is for manually excluding the cabinet from the system, while the holder minimises pressure drops in the system.

**B0204** Manual two-way valve insulation kit.

Avoids the formation of condensation during operation in cooling mode (already included in the thermoelectric hydraulic kits).

**B0200, B0201** Pair of adaptors.

These can be used to convert the 3/4" Eurocone connection of the Bi2 terminals into a standard 1/2"(B0200) or 3/4" (B0201) threaded gas connection.

**B0203** 90° Eurocone U-bend.

Facilitates connection in the case of hydraulic connections with pipes in the wall.

#### **INSTALLATION KITS**

**B0568 (200), B0569 (400), B0570 (600), B0571 (800), B0572 (1000)** Recessed kit with infill panel: Structure for recessed installation.

For vertical installation (to be combined with the infill panel)

**B0731 (200), B0732 (400), B0733 (600), B0734 (800), B0735 (1000)** Recessed radiant infill panel kit for recessed structure. For vertical installation.