

Standard delivery:

- aluminum casing (fully recyclable)
- aluminum cover caps (end caps)
- left electrical connection: integrated terminal block with spring-loaded system in the cladding (standard)
- aluminum grille with EPDM carriers natural color
- steel inner casing, painted gray
- heat exchanger, connection 1/2 "left
- tangential EC fan (s) 24VDC for stepless control via 0 ... 10V signal
- 2 pcs stainless steel connection flexible 1/2 ", length from 15 to 25 cm (standard)
- installation manual and drilling template (standard) included

Freedom Clima_heating and cooling:

Pre-assembled unit for heating and cooling.

- the appliance can be ordered in separate colors for casing, end caps and grille
- the cover is composed of light double-walled aluminum profiles
- the casing and the inside of the feet are finished at the head ends with removable covers of solid aluminum
- painted in the color / traffic white (RAL 133) / sandblast gray 001 / other (see JAGA color chart)
- the coating is a structured scratch-resistant polyester, applied electrostatically in powder form and baked at 200°C.
- UV resistant according to ASTM G53
- the surface temperature of the coating will never exceed 43 ° C, even at a water temperature of 90 ° C.

Connection options:

- the appliance is equipped as standard for heating and for connection to traditional water heating systems, but can also be used for cooling with a chilled water supply, and for connection to mechanical ventilation systems
- the appliance is suitable for connection to low temperature systems such as heat pumps and condensing boilers

Freestanding installation on the floor:

The passage of the hydraulic and electrical lines and the condensate drain pipe is done through the (left) foot.

Connection to air exchange duct is possible via the right foot.

Provisions for maintenance:

All components are attached with special spring steel suspension hooks and can be easily and very quickly disassembled for regular cleaning and maintenance. When using the flexible pipes supplied, this can be done without disconnecting the hydraulic pipes.

Condensate drain:

the condensation water is drained via a drain pipe via the left foot (drain to be provided)

Aluminium grille:

- aluminum floor grille panels L 360 mm with sound-insulating EPDM holder 16.5 mm
- profile: 6 x 14 mm
- spacing 9 mm

Dynamic heat exchanger:

Round, seamless circular pipes in pure copper, connected to pure aluminium panels with a spacing of 1.8 mm and an integrated brass collector, including air venting.

- the heat exchanger electrostatically lacquered with black epoxy-polyester, gloss degree 70%
- element pressure test: 2000 kPa (20 bars)
- operating pressure: max. 1000 kPa (10 bars)
- standard connection left

Ventilators:

- one or more tangential fans, 24 VDC, with Sendzimir galvanized steel plate cover and integrated stainless steel air filter
- 0..10V controllable
- colour black, glossiness 70%
- integrated electric connection box with manual tension spring system
- standard connection left

Options:

Room thermostats and controls:

- JRT 100 room thermostat
 - heating - cooling mode
 - 0-10V output
- JRT 100TW WIFI room thermostat with touch screen
 - heating - cooling mode
 - 0-10V output
- JRT 200 room thermostat
 - heating - cooling mode
 - 0-10V output
- RDG 160T thermostat AC 24 V
 - thermostat heating - cooling
 - automatic or manual heating / cooling changeover
- JDPC Jaga Dynamic Product Controller
 - heating / cooling / standby, with automatic changeover
 - supply voltage: 24VDC
 - 0-10V input for building management system / thermostats

24 VDC power supply:

- required power = sum of the power consumption of the equipment.
- DIN rail or wall mounting
- UL1310 Class 2
- convection cooling
- 36 W / 60 W / 92 W / 150W

Valve sets:

- connection set with Jaga two-way valve 24vdc
- connection set with 2 return valves G1 / 2 "
- clamp couplings G1/2"
- Jaga two-way valve and thermoelectric motor 230VDC, (only for distributor)

Terms of use / Operating limits:

The unit has been designed to function as a fan coil for both heating and cooling applications; any other use is strictly forbidden. Installing the unit in an explosive environment is prohibited. The area must be dry and dust-free, with a temperature between 5°C and 70°C and a relative humidity < 90%. (norm IEC EN 60335-2-40). Always use the main disconnect switch to isolate the unit from the mains before carrying out any maintenance or inspection work.

Installation that does not comply with the specified operational limits relieves Jaga NV from discharge liabilities with regard to damage to objects and persons.

Designed and manufactured in Belgium by Jaga N.V.
Freedom Clima Canal