

# jaga

CLIMATE DESIGNERS

## Play

### Material

- Low-H<sub>2</sub>O heat exchanger is composed of round, seamless circulation tubes made of pure red copper, with pure aluminium fins and two brass collectors for left or right 1/2" same end connection. air vent elbow 1/8" and drain cock 1/2" are included.  
Pressure test: 20 bar  
Working pressure: 10 bar
- Brackets: sendzimir, galvanized steel plate thickness 1 mm, dark grey lacquered, with a maximum intermediate distance of 86 cm.  
Pre-mounted casing and delivered as a single piece, consisting of:
  - casing in MDF with polyurethane paint and anodized aluminium spacer rings easy to remove when required
  - pre-mounted and integrated control in the front panel in the top right hand corner, included valve and sleeve couplings for connection to the wall or to the floor
  - Strong and functional packaging, can be used as a protection cover during construction works.

### Colour

- Heat exchanger electrostatically lacquered with anthracite grey epoxy-polyester RAL 7024, gloss degree 70%.  
Visible metal parts between the MDF panels are lacquered in black (RAL 9005).  
MDF panels are lacquered in white, black, white-and-black combinations, girl shades, boy shades or RAL-colours on request

The surface temperature remains safe at all times, even with a waterflow of 90°C.  
Play complies to the DHSS DN 4 1992 regulation and subsequent revisions.

Manufacturer: Jaga.  
Type: PLAY

Outputs meet standard EN 442.

### Options

- Touch-sensitive base grille
- Brush for easy cleaning of the underside of the heat exchanger.

### How to install

- The building services engineer chooses the heating elements considering the following conditions:
- A heat output calculation according to the standard.
  - Tables of heat outputs and dimensions according to EN 442.
  - The normal fitting position for the heating elements is under the window, and to achieve the most aesthetically pleasing appearance the casing should not be wider than the total width of the window.  
The height of the casing has to be a function of the heat loss calculations; aesthetically narrower types are preferable.
  - the minimum space requirement under the heating elements is:

*for Play:*

- 10 cm for types 10 and 11
- 12 cm for types 15 and 16
- 15 cm for types 20 and 21
- As minimum space between the top of the casing and the extended window sills, the above mentioned dimensions have to be applied.
- The heat exchangers will be connected to a *one pipe system / two pipe system*, with a same side end connection.
- The heat exchanger is equipped with two brass collectors for left or right 1/2" same end connection. Air vent 1/8" and drain cock 1/2" are included. The flow valve always has to be fitted to the top connection of the heat exchanger.
- The specially designed thermostatic *Jaga valves with vertical operating connection* can be connected to plastic central heating service pipes / RPE/ALU. tube / copper tube/ steel pipe. The valve body is concealed within the standard casing.