

SENTINEL LST

MATERIAL

- › Low-H₂O 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. Extended air vent 1/8" and drain cock 1/2" are included.
Pressure test: 20 bar
Working pressure: 10 bar
- › Brackets: galvanised steel plate thickness 1 mm, dark grey, with a maximum intermediate distance of 1.05 m
- › Front panel: galvanised steel plate of 1.25 mm thick
- › Side panels: galvanised steel plate of 1.25 mm thick with hole for integrated Jaga valve, inclusive synthetic cover plates.
- › The top grille: galvanised steel plate of 0.80 mm thick, profiled backwards angled steel plate with angled topside. At corners the grille is supplied with high standard aluminium angled corner pieces in same finish as the casing.
- › Base grille: galvanised perforated steel plate of 1.25 mm thick, in same finish as the casing.

COLOUR

- › Heat exchanger electrostatically lacquered with anthracite grey epoxy-polyester RAL 7024.
- › The casing is lacquered in the colour [white \(RAL 9016\)](#) / [white \(RAL 9010\)](#) / [sandblast grey metallic 001](#) / [other \(see colour chart\)](#)
A scratch resistant epoxy-polyester powder, sprayed electrostatically and baked at a temperature of 200 °C. UV resistant due to ASTM G53.

Integral Low-H₂O technology ensures that the casing remains safe to touch without risk of burns, even at high flow temperatures, in accordance with NHS Estates specification guidance.

Manufacturer: Jaga,
Type: Sentinel LST.

Outputs meet standard EN 442.

OPTIONS

- › Pencil-proof grille, avoiding the possibility of smaller objects or waste falling within the casing. Lacquered in the same colour as the casing.
- › Top valve.
- › 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 for [Tempo LST / Cocoon LST / Sentinel LST / Maxi LST](#) elements, 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. Types 20 and 21 are more suitable for utility areas.
- › when only small outputs are required, the casing can be extended, if necessary, to fill up the total window space
- › the minimum space requirement under the heating elements is:
for [Tempo LST / Cocoon LST / Sentinel LST / Maxi LST](#)
 - 10 cm for types 06, 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 two pipe system, with a same end connection. The heat exchangers are equipped with 1/2" brass collector, 1/8" air vent and a 1/2" drain cock. The flow valve always has to be fitted to the top connection of the heat exchanger. The specially designed thermostatic [Jaga Danfoss / Jaga / Jaga type 6 / Jaga Pro / Jaga Comap / Jaga Top](#) valves 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
- › [Jaga Danfoss type RA thermostatic heads white / Jaga Danfoss type RAX thermostatic heads white / Jaga Danfoss type RAX thermostatic heads chrome / Jaga thermostatic heads / Jaga Deco thermostatic heads chrome / Jaga Deco thermostatic heads chrome-white / Jaga Comap thermostatic heads silver / remote controlled Jaga thermostatic heads / Jaga Deco thermostatic heads chrome-white with sensor at distance / not / to be fitted.](#)