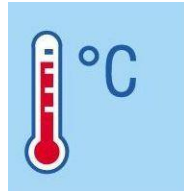




The instant heater HT1800 is an optional device allowing to clean with hot water, which can be connected to Santoemma machines models Sabrina-Maxi, Serena-Silent, Grace-Silent, Charis-ONE, Charis-DUAL, Elite-Silent and Powerful-Silent.

HT1800 allows to **instantly heat** the solution of water and chemical used for cleaning, for a better cleaning result, even on very dirty carpet or textiles.

The unit is connected to a specific electrical socket on the machine, so that the machine body is powered by one cable only.



Advantages of HT1800

1. **Santoemma instant heating system** allows to get hot water immediately after switching the machine on. It is not necessary to wait a long time before the whole solution tank gets warm, as it happens with many "standard" machines on the market.
2. Its modular design allows an easy connection to the machines.
3. The boiler has a double protection to avoid overheating. It is also protected against dry working. The status of the 2 thermal protection is shown by 2 lights.
4. It is possible to achieve higher temperatures by letting the water re-circulating into the solution tank for some minutes.

Technical Data:

| | |
|---------------|---------------------------------------|
| Voltage: | 230V – 120V – 100V |
| Power: | 1800W (1500W at 100V) |
| Cable length: | 40 cm for 220V, 15m for 120V and 100V |
| Dimensions: | 11 x 16 x 34 cm. |
| Weight: | 6,5 Kg. |

TEMPERATURE INCREASE (Delta T) WITH RESPECT TO THE INPUT TEMPERATURE Water temperature increases when using nozzles with smaller sections

| Water-flow | Delta T continuous flow | Delta T working with brief intervals without spraying (max. 20-25 sec.) | |
|------------------------------|-------------------------|---|----------------|
| | | 50% on 50% off | 75% on 25% off |
| 0,71 l/min (1 nozzle x 0.1) | ~ +35 °C | ~ +46 °C | MAX |
| 1,18 l/min (1 nozzle x 0.2) | ~ +21 °C | ~ +28 °C | ~ +42 °C |
| 1,5 l/min (3 nozzles x 0.1) | ~ +16 °C | ~ +21 °C | ~ +32 °C |
| 1,87 l/min (1 nozzles x 0.3) | ~ +13 °C | ~ +17 °C | ~ +26 °C |
| 2,19 l/min (5 nozzles x 0.1) | ~ +11 °C | ~ +14 °C | ~ +22 °C |
| 3,33 l/min (3 nozzles x 0.2) | ~ +7,5 °C | ~ +10 °C | ~ +15 °C |

With re-circulation of water it is possible to pre-heat the water in the solution tank.
In about 10 minutes it is possible to pre-heat 25 litres of water for 10°C .
The thermal protections, however, prevent the heating of water over 70° C.

Instant hot water unit, 1800W, complete with metal brackets to fix the heater on the machines.

Machines that can be used with HT1800-220-M:

SABRINA-MAXI – SERENA-SILENT – GRACE-SILENT –
CHARIS-ONE - CHARIS-DUAL – ELITE-SILENT – POWERFUL-SILENT