



• **Instant preheaters**

**Instant preheater systems** can preheat sanitary hot water from a primary storage connected to a Boostherm heat recovery module. A specific electronic regulation optimize preheating operation to obtain the best heat recovery performances. The system can provide preheated water without sanitary water storage to a water heater.

- System delivered with a ground fixation.
- Heat exchanger insulation shell.
- Variable speed pump for primary circuit – internal thermal protection.
- Electronic regulation with auto-tuning mode (no setting) with pump speed variation, frost protection mode, stand-by mode, automatic air venting cycle...
- Delivered with temperature sensors, low pressure switch for primary circuit and flow detector for sanitary water.
- Power supply : 230V-50/60Hz
- Electronic board protection: 160mA. IP44 electrical box.



| Model            | Connections |           | Primary Pump        |                     | Max power input (W) | Primary volume (L) | Size HxLxD / Weight (mm) / (kg) | Code    |
|------------------|-------------|-----------|---------------------|---------------------|---------------------|--------------------|---------------------------------|---------|
|                  | Primary     | Secondary | Max man. head (mWg) | Max flow rate (l/h) |                     |                    |                                 |         |
| 50 kW preheater  | G1"         | G1"       | 7.5                 | 2 000               | 130                 | 1,6                | 550x150x200 / 25                | 870 005 |
| 150 kW preheater | G1"1/4      | G1"1/2    | 12                  | 4 500               | 360                 | 2,16               | 740x160x200 / 35                | 870 015 |
| 300 kW preheater | G2"         | G2"       | 12                  | 4 500               | 640*                | 3,78               | 1000x400x900 / 80               | 870 030 |
| 450 kW preheater | G2"1/2      | G2"1/2    | 12                  | 12 000              | 850*                | 5,58               | 1000x400x1000 / 110             | 870 045 |
| 600 kW preheater | G2"1/2      | G2"1/2    | 16                  | 13 000              | 1 500*              | 8,46               | 1000x400x1000 / 90              | 870 060 |

\* Individual power supply and protection for the pump (not from the electrical box)

| Model            | For a primary at 55°C |                            |                            |
|------------------|-----------------------|----------------------------|----------------------------|
|                  | Primary power         | Min. DHW flow rate 12-50°C | Max. DHW flow rate 12-50°C |
| 50 kW preheater  | 50 kW                 | 5 l/min                    | 1.1 m3/h                   |
| 150 kW preheater | 150 kW                | 5 l/min                    | 3.4 m3/h                   |
| 300 kW preheater | 300 kW                | 5 l/min                    | 6.8 m3/h                   |
| 450 kW preheater | 450 kW                | 22 l/min                   | 10.2 m3/h                  |
| 600 kW preheater | 600 kW                | 22 l/min                   | 12.6 m3/h                  |

See buffer tanks page 13