Electric Heater Package

Internal view water basin

Low Level Cut Out Switch

Thermostat

Heater

External view water basin

Thermostat

Heater

Low Level Cut Out Switch

All heaters and controls are furnished with weather-tight enclosures and are factory-mounted ready for field wiring.
(except on S3000 : shipped loose)

Purpose

To protect pan water from freezing when the unit is idle.

Principle of Operation

- The thermostat switches the heater(s) on when the pan water temperature drops below the preset temperature.

- The installed heater kW's are rated to maintain ± 4°C pan water temperature at an ambient temperature of -18°C

- The Low Level Cut Out Switch (with integrated stilling chamber) prevents heater burn-out when the pan water drops below the heater level.

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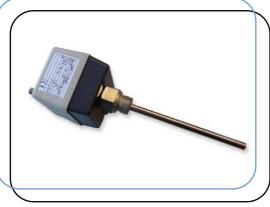
Description of Components

Heater

The complete electric heater package consists of:

Immersion Heaters of "hairpin" high watt density type.
-      Heaters can be wired for 3-phase supply, 400V star configuration or 230V delta configuration (except 1kW heater which is only 1-phase).
-      All heaters are supplied with a cast aluminium enclosure IP 65.
-      All heaters can be used for 230V 1-phase supply with all terminals wired in parallel.
-      Heaters are supplied with a cable gland.
-      All heaters have one earth terminal.
-      Mounting hole Ø 48 mmm.

Thermostat

Industrial type thermostat ATH-2
-      Single pole double throw contacts.
-      Splash proof IP54 enclosure.
-      Suitable for 230V max 10A.
-      With earth connection.
-      Mounting hole Ø 35 mm.

Low Level Cut Out Switch

Low Level Cut Out Switch
-      Barksdale UNS-ABS with integrated stilling chamber.
-      Single pole single throw switch.
-      Splash proof enclosure IP 65.
-      Suitable for 230V AC-1A (50W/VA).
-      Of complete plastic construction (no earthing required).
-      Mounting hole Ø 45 mm.

Note: Wiring should include contactors, a circuit-breaker and an auxiliary switch to de-energize the heaters whenever the circulating pump is running.

For more information contact :

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