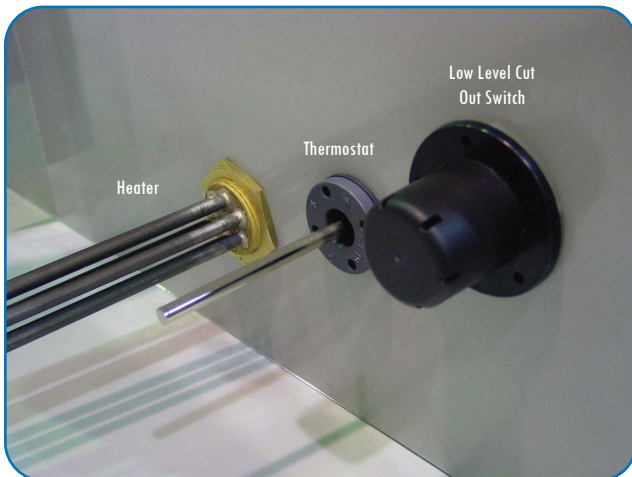




ELECTRIC HEATER PACKAGE



Internal view water basin



All heaters and controls are furnished with weather-tight enclosures and are factory-mounted ready for field wiring. (except on S3000E, FXVT and CXV-D: shipped loose)

External view water basin



Purpose

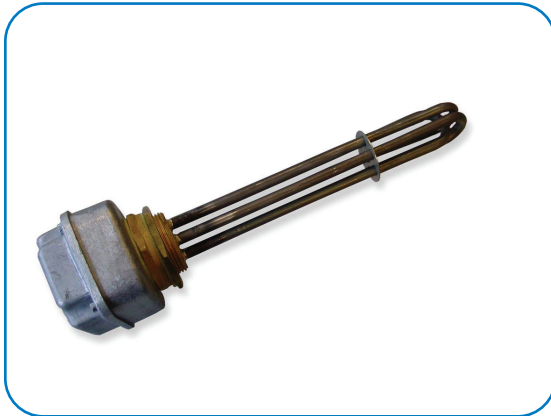
To protect pan water from freezing when the unit is idle.

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 $\pm 4^{\circ}\text{C}$ 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.

Description of components

The complete electric heater package consists of:



>>> Immersion heaters of "hairpin" high watt density type

- Heaters can be wire for 3-phase supply, 400V star configuration or 230V delta configuration.
- All heaters can be used for 230V 1-phase supply with all terminals wired in parallel.
- All heaters are supplied with a cast aluminium enclosure IP 65.
- Heaters are supplied with a cable gland.
- Mounting hole Ø 48 mm.



>>> Industrial type thermostat ATHs-2

- Single pole double throw contacts.
- Splash proof IP 54 enclosure.
- Suitable for max. 250 V; max. 10A.
- With earth connection.
- Mounting hole Ø 35 mm.



>>> Low Level Cut Out Switch

- Barksdale UNS-ABS with integrated stilling chamber.
- Single pole single throw switch.
- Splash proof enclosure IP 65.
- Suitable for max. 240V AC; max 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.

