

INSTALLATION, MAINTENANCE & OPERATING INSTRUCTIONS

12-1500L TANK SHOWER & EYEBATH (Hazardous) **WITH CHILLER**

The unit is manufactured according to ANSI Z358.1 - 2009. It must be installed properly and in the correct location. Such equipment should be installed within 10 seconds reach if accident occurs; no closer than 3 metres or further than 15 metres. The area around and underneath the shower should provide good drainage, especially if there is a possibility of the water freezing. When equipment is located indoors waste water must be contained for subsequent safe disposal or there must be adequate drainage.

We recommend the unit be fed from potable water and where necessary a non-return check valve should be fitted to the supply pipe feeding the unit. The supply pipework should be sized at a minimum 1" diameter with a pressure of 2 bar g. Isolation valves should be fitted to the supply pipes in an accessible position for use during maintenance. The isolation valves should have locking mechanisms 'to prevent unauthorised shut-off' and should be labelled accordingly with fixed permanent tags.

Where an Emergency Safety Shower requires an electrical supply, either for heating, cooling or lighting, then the supply should conform to the requirements as detailed in the specific instructions. Electrical equipment fitted to these units should be supplied through a sensitive circuit breaker. An Earth Leakage Circuit Breaker (ELCB) is highly recommended.

Where an electrical supply is fitted it should be connected through a lock-on switch to allow the electricity supply to be switched off for maintenance purposes only and should be labelled accordingly with fixed permanent tags.

The electrical components of the unit are wired into a junction box normally positioned on the back of the unit. Wiring diagrams are provided with each unit and are placed inside each junction box.

The cable entries on the junction box are suitable for M20 glands.

Connections are live, neutral and earth, with a Single Phase supply of either 50Hz or 60Hz, and of 110 or 240Volts (dependant on customer specifications, 240Volts being standard). The electrical supply should be fitted with a circuit breaker (30mA 30ms RCCB recommended).

The chiller requires its own separate 3ph power supply and fitted with a with suitably rated MCB and isolator.

Note: - Ensure that any immersion heater elements are fully immersed in water at all times whilst the electricity supply is connected.

The self supporting unit requires a sound flat base.

Please contact Showers & Eyebaths technical department for further advice should this be necessary.

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INSTALLATION INSTRUCTIONS

1. Whilst unit is still on its pallet, remove header tank lid to give full access to fit the chiller float switch which is packed in the chiller for shipping purposes.(see attached)
2. Unscrew the silver ball float from the body of the switch and screw the body into the flanged inlet hole on the header tank. (picture 1)
3. Screw the ball float onto the rod of the float which is exposed inside the header tank(picture 2)
4. Wire the cable on the chiller into the float switch. Everything is pre-wired and set.
5. Replace lid back onto the tank.
6. The unit is now ready to be positioned and installed in the desired location with clear access.
7. Position shower unit in desired location with clear access.
8. Drill foundation and bolt unit to foundation.
9. Position chiller to left hand side of shower and drill chiller to foundation.
10. Connect interconnecting pipework from shower to chiller using thread sealing compound or similar.
11. Connect mains water inlet pipe with thread sealing compound or tape taking care not to exert any forces on to the shower inlet.
12. If a drain sump is fitted, connect 2" outlet of unit to the on-site waste water pipework.
13. Connect single phase incoming power supply to power junction box on shower. The power rating for an immersion heater is 3kw. Any lamps that may be fitted are low energy.
14. Connect alarm circuit(if fitted) to junction box. The alarm is activated by a switch on the valve operating mechanism. The lever operated micro switches are suitable for use with electrical supplies up to 250Volts but it is generally preferable to use a low voltage on an intrinsically safe circuit. When two switches are wired into one junction box, they will normally be wired in parallel for 'normally open'. If a level switch is fitted to indicate by an alarm at a remote control position when the water reaches a low level, the level switch is wired into an independent junction box suitable for electrical supplies of up to 250Volts.
15. Please note the chiller requires a separate power supply. 415v 3Ph 50Hz.
16. Flush out the unit with water and test for leaks and efficient operation.

MAINTENANCE INSTRUCTIONS

1. Ensure unit has a maintenance contract in place.
2. Test shower and eyebath for good operation weekly as per ANSI. This ensures the water in the header tank is replenished regularly to reduce contamination and also flushes out the eyebath pipework.
3. Check any lights, alarms or heaters to ensure unit is fully operational. Ensure water temperature in header tank is not above 20 deg C.
4. Unit should be serviced and cleaned regularly at least every six months in order to ensure proper operation.
5. Clean the unit with non abrasive cleaners only. Replace any signs or tape when required.
6. Remove overhead shower rose, inspect and disinfect every six months.
7. Check all fastenings every 6 months.
8. Check all electrical units every 6 months. Report any non conformances.

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9. Every 6 months, empty header tank, remove lid and clean inside of tank. Disinfect and refill with potable water.
10. Remove HClenz unit (If fitted) from inside header tank and replace annually
11. Update service contract

OPERATING INSTRUCTIONS

1. Step onto platform (if fitted) or Push panic bar to operate shower. This will activate any local or remote alarms.
2. To turn off shower reset lever. This will deactivate any local & remote alarms.
3. Lift eyebath lid to operate eyebath, Remote /local alarms will be activated if fitted.
4. The flow rate on the eyebath can be adjusted by means of the grub screw in the centre of the facewash bowl.
5. To turn off eyebath, close lid. Remote /local alarms will be de-activated if fitted. The eyebath drains down through the pipework in the corner via a drain valve.
6. Flexible handheld Eyewash (if fitted). Pull separate pull handle down to operate. Push up to turn off.
7. After use seek medical assistance.

Please note: Any Immersion heaters fitted are factory set at 17 deg C.
Chillers are set at 20 deg C.

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AMP 3 Framework Supplier

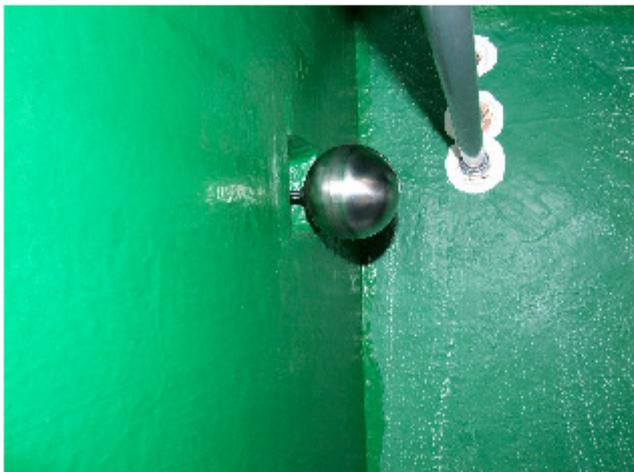
Installation instructions for float switch on chiller.

1. Remove lid on tank shower.
2. Remove float switch from inside chiller (for packing purposes only).
3. Unscrew silver ball float from body and screw float body into flange hole on header tank (picture 1).
4. Screw ball float to float (picture 2)
5. Wire the cable on the chiller into float switch. Everything else is pre-wired and set.
6. Replace lid on tank safety shower.

The unit is now ready to be positioned and installed as required and as per IOM



PICTURE 1



PICTURE 2

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