



SHOWERS & EYEBATHS

Your Safety Demands Our Quality

INSTALLATION, MAINTENANCE & OPERATING INSTRUCTIONS

REMOTE TANK

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 header tank 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 protected from freezing or overheating and sized at a minimum 1" diameter with a pressure of 2-3 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 shutoff' 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 self supporting combined shower & eyewash requires a sound flat base.

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

INSTALLATION INSTRUCTIONS

1. Position both the remote header tank and shower unit (if purchased) in desired location with clear access.
2. Drill foundations and bolt units to foundation.
3. Connect inlet water pipe with thread sealing compound or tape to header tank inlet taking care not to exert any forces on to the shower inlet.
4. Connect incoming power supply to junction box on header tank unit. The header tank is

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fitted with 4 x heater pads (total 1Kw.) for non hazardous units and 3Kw (230v) or 1.7Kw (110v) for hazardous area units. All heaters set at 18 deg C.

5. If a submersible pump is fitted within the remote tank, proximity switches must be fitted onto the safety shower as the pump in the header tank is activated by these switches.

MAINTENANCE INSTRUCTIONS

1. Ensure unit has a maintenance contract in place.
2. Test safety shower connected to remote tank 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 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. Check all electrical units every 6 months. Report any non conformances.
7. Twice a year, empty header tank, remove lid and clean inside of tank. Disinfect and refill with potable water.
8. Remove HClenz unit (If fitted) from inside header tank and replace annually
9. Update service contract

For any help or advise, please contact the maintenance department at Showers & Eyebaths Services Ltd.

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