

Installation, Operation & Maintenance Instructions

1500L Tank Shower with Eyebath (Internal or External)

General Instructions

The unit is manufactured according to ANSI Z358.1 - 2014. 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 an ideal pressure of 2-3 bar g.

An isolation valve is recommended to be fitted to the supply pipework in an accessible position for use during maintenance. The isolation valve 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, then the supply should be supplied through a safety protection device / earth leakage (MCB, RCD, ELCB) along with an isolator switch to allow the electricity supply to be switched off for maintenance purposes only and should be labelled accordingly with fixed permanent tags.

Any electrical components of the unit will be 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 240v 1Ph 50-60Hz being standard. Two M10 earth boss's are fitted to each side of the shower.

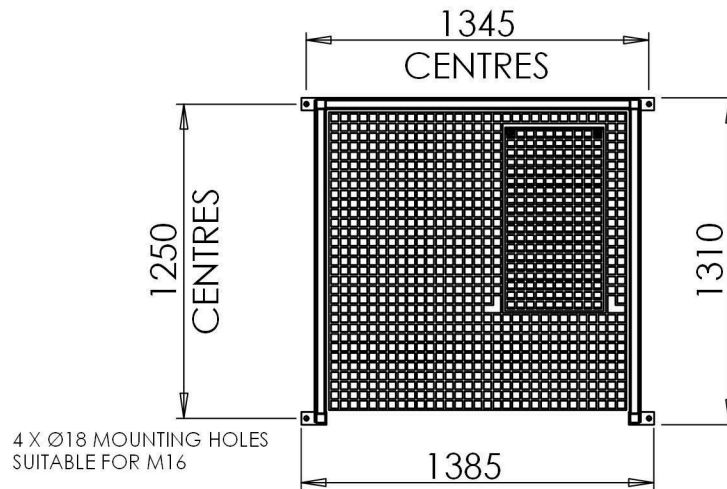
Please consult a qualified electrician when installing & commissioning any electrical equipment.

NOTE: Safety showers without hazardous certification (ATEX, IECEx, C1D2) cannot be installed in hazardous areas.

Installation Instructions

- Unpack unit from pallet (or if packed in a packing case, remove lid and sides of the packing case) taking care not to damage the unit. This unit requires a sound flat level foundation base with suitable drainage.
- Position unit in desired location with clear access and lift into position using suitable straps and lifting lugs on shower. Gross weight approx 350-400Kg. Shackle size to be used 18mm.
- Drill foundation and bolt unit to foundation as per attached drawing overleaf. Once bolted in place remove wooden packing piece between the front legs of the frame.
- Connect inlet water pipe with thread sealing compound or tape taking care not to exert any forces on to the shower inlet.
- If a drain sump is fitted, connect 2" BSPF outlet of unit to the on-site waste water pipework. Reseal inside the shower area using silicone supplied to add additional seal.
- If eyebath is packed separately, fit tank fed eyebath to side of tank frame ensuring linkages are securely fastened to allow eyebath lid to open & close properly.
- If fitted - Connect incoming power supply to junction box. The power rating is shown on the electrical wiring drawing within the junction box. Water heaters are 2.5Kw for non hazardous units and 3Kw on hazardous area certified units (Zone 1 & 2). Any lamps that may be fitted are low energy.
- If fitted - Connect alarm circuit to junction box. The "in use"alarm is activated by a switch on the valve operating mechanism.
- The switch(s) are suitable for use with electrical supplies up to 250 Volts 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'. This also applies to any water level alarm switches.
- Flush out the unit with water and test for leaks and efficient operation.
- Eyebath flow can be adjusted by adjusting the flow control screw located on the centre stem of the eyebath.

Foundation Details



Operation Instructions

- Step onto platform or Push panic bar to operate shower. Remote /local alarms will be activated if fitted.
- To turn off shower reset lever. This will deactivate any alarms.
- Lift eyebath lid to operate eyebath, Remote /local alarms will be activated if fitted.
- The Eyebath flow can be adjusted by adjusting the flow control screw located on the centre stem of the eyebath.
- To turn off eyebath, close lid. Remote /local alarms will be deactivated if fitted. The eyebath drains down through the pipework in the corner via a black plastic drain valve.
- If a Flexible handheld Eyewash is fitted, this is operated by a separate stainless pull handle.
- After use, seek medical assistance.

Maintenance Instructions

- 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. Check eyebath pipework drains down through auto drain valve.
- Check any lights, alarms or heaters to ensure unit is fully operational. Ensure water temperature in header tank is not above 23°C. If water temperature is higher, empty and refill with fresh clean potable water.
- Ensure unit has a maintenance contract in place. Unit should be serviced and cleaned at least every six months by a qualified safety shower engineer in order to ensure proper operation and longevity of the warranty.
- Check and lubricate all fastenings & linkages every 6 months.
- Check all electrical units every 6 months. Report any non conformances.
- Annually, empty header tank, remove lid and clean inside of tank if required. Disinfect and refill with clean, potable water.
- Remove HClenz unit (If fitted) from inside header tank and replace annually
- Update service contract

Warranty Information

This unit comes as standard with a one-year warranty against defects in workmanship and material from the date of invoice. The product must be installed, maintained and operated in accordance with the instructions provided.

Any alteration or modification without approval from Washware Essentials Ltd or misuse or physical damage of the product will void this warranty

Our obligation is limited to repair or replacement of any defective item. This warranty does not guarantee or cover payment or reimbursement of any damages or consequential damages other than repair (or replacement) of the product.

Any claim must be made in writing within the 12-month warranty period. If the unit can be returned for repair, the owner of the product must pay the courier costs. The repaired/replaced item will be returned to the owner free of charge.