



ARBOLES UK LTD

LABORATORY TAPS, SAFETY SHOWERS AND EYE WASHES

INSTALLATION, MAINTENANCE & OPERATING INSTRUCTIONS

350L TANK SHOWER with EYEBATH

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 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 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 : 230v 1Ph 50-60Hz being standard.

This unit requires a sound flat level foundation base.

INSTALLATION INSTRUCTIONS

1. 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.

2. Position unit in desired location with clear access and lift into position using suitable straps and lifting lugs on shower. Gross weight approx 230-275Kg

3. Drill foundation and bolt unit to foundation as per attached drawing.

4. Connect inlet water pipe with thread sealing compound or tape taking care not to exert any forces on to the shower inlet.

5. If a drain sump is fitted, connect 2" BSPF outlet of unit to the onsite waste water pipework.

6. If eyebath is packed separately, fit tank fed eyebath to side of tank frame.

7. 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 1Kw for non hazardous units and 3Kw on ATEX certified units (Zone 1 & 2). Any lamps that may be fitted are low energy.

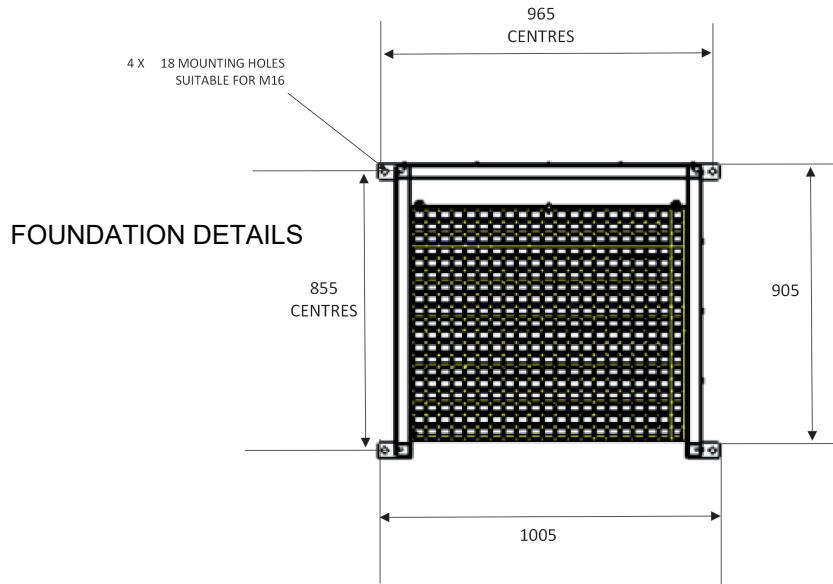
8. If fitted - Connect alarm circuit to junction box. The alarm is activated by a switch on the valve operating mechanism. The lever operated micro switches are suitable for use with electrical supplies up to 250Volts but it is generally preferable to use a low voltage on an intrinsically safe circuit. When two switches are wired into one junction box, they will normally be wired in parallel for 'normally open'. If a low water level alarm is fitted, the level switch is wired into an independent junction box suitable for electrical supplies of up to 250volts.



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9. Flush out the unit with water and test for leaks and efficient operation.
10. Eyebath flow can be adjusted by adjusting the flow control screw located on the centre stem of the eyebath.



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.
9. Twice a year, 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 or Push panic bar to operate shower. Remote /local alarms will be activated if fitted.
2. To turn off shower reset lever. This will de-activate any alarms.
3. Lift eyebath lid to operate eyebath, Remote /local alarms will be activated if fitted.
4. The Eyebath flow can be adjusted by adjusting the flow control screw located on the centre stem of the eyebath.
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 black plastic drain valve.
6. If a Flexible handheld Eyewash is fitted, this is operated by a separate stainless pull handle.
7. After use seek medical assistance.