



SHOWERS & EYEBATHS

Your Safety Demands Our Quality

INSTALLATION, MAINTENANCE & OPERATING INSTRUCTIONS

ARCTIC TANK SAFETY SHOWER with EYEBATH

ARCTIC TANK SAFETY SHOWER with EYEBATH+ DRY AREA CUBICLE

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 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).

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

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

World Class Manufacturers of Showers & Eyebaths

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1. Position unit in desired location with clear access.
2. Drill foundation and bolt unit to foundation. If a dry area cubicle has been purchased this should be bolted to the front of the shower and sealed with silicone.
3. Connect inlet water pipe with thread sealing compound or tape taking care not to exert any forces on to the shower inlet.
4. Connect 2" stainless drain outlet of shower (and dry area cubicle if fitted) to the onsite waste water pipework.
5. Connect incoming power supply to junction box. (The total power rating for 220-240v unit is a maximum 4kw: 110-120v is a maximum of 2.5Kw. Lamps that are fitted are low energy(36w).Cubicle wall heaters are 475-500watt.
6. 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 an alarm & siren is fitted, the alarms will also activate the local alarm.
7. Flush out the unit with water and test for leaks and efficient operation.
8. 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. Room stat in cubicle is factory set at 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 into shower and push panic bar to operate shower. Remote /local alarms will be activated if fitted.
2. To turn off shower reset lever/panic bar. Remote /local alarms will be de-activated if fitted.
3. Lift lid to operate eyebath. Remote /local alarms will be activated if fitted.

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4. 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.
5. The flow rate on the eyebath can be adjusted by means of the grub screw in the centre of the facewash bowl.
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: If a pressure reducing valve is fitted it is factory set at 2-3 bar to ensure correct flow from the unit. Please do not adjust.

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

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