

# IMPORTANT USER GUIDANCE HIGHWAY TOW SAFETY SHOWER WITH EYE-WASH STATION: MH-P-1200

## READ THESE INSTRUCTIONS BEFORE USING THE APPLIANCE

**GENERAL:** THE MH-P-1200 safety shower and eye-wash is a highway-towable trailer unit with tank capacity of 1200 litres that provides a drenching shower of tepid water for a maximum of 15 minutes. It incorporates a pump and heater which maintain the temperature and deliver water to the shower and eyewash on demand; the MH-P-1200 operates from a 110v power supply (1700 Watts).



The unit is ideal for locations lacking a mains water supply as it can be filled in advance and towed to any remote area where a safety shower is required; the highway trailer is equipped with a 50mm ball coupling, over run brakes, and 12v road lights.

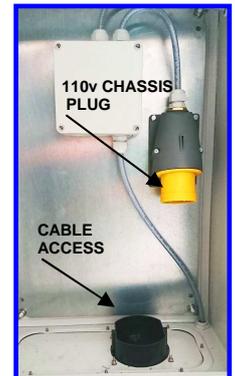
### FILLING / CHARGING INSTRUCTIONS:

Prior to use the tank must be filled with potable (drinking) quality water. Ensure the trailer is level and the hand brake is applied; then either connect the tank to a clean mains water supply using the water inlet / drain valve located at the rear of the trailer, or fill through the lid on top of the tank. A gauge on top of the tank will indicate when the tank is full.

Once the tank is full ensure the lid is secured closed; the trailer may be towed to another location if required. It is recommended that the unit is located where it can be reached within 10 seconds if needed (as a general guide between 3 and 15 metres away, with an unobstructed path). The area around and underneath the shower should provide sufficient drainage to accommodate the run-off; items of electrical equipment and cables should be kept away from the shower spray and water run-off. Level the trailer using the screw jack at the front of the trailer and the stabilizer legs at the rear of the trailer; ensure the handbrake is applied.

### OPERATING INSTRUCTIONS:

1. At the rear of the trailer connect the shower head pipe-work to the riser at the camlock coupling - just above the shower operating lever.
2. Ensure the shower operating lever is in the upright position (closed) and the eyewash cover is also closed.
3. At the front of the trailer couple the socket of an extension lead to the 32A 110v chassis-plug inside the cabinet (see adjacent picture); pass the "plug" end of the extension cable down through the cable access gland at the bottom of the cabinet. Now close the cabinet door to keep weather-tight.
4. Route the extension lead away from the shower and connect to a power supply capable of delivering 1.7kW continuously - this will normally be a 110v site transformer with a 32 amp socket. Ensure your transformer and primary power supply are rated for continuous duty; the supply should incorporate appropriately rated circuit protection and RCD protection.
5. Successful use of this equipment depends on continuity of electrical supply – while there is no electrical power there will be no shower – so avoid drawing power from shared circuits prone to nuisance tripping. While heating up the MH-P-1200 will draw 1200 Watts (approx 11 Amps at 110v); when both shower and heating are simultaneously active the power demand is 1700 Watts (16 Amps at 110v).
6. A green light on top of the cabinet will illuminate, and remains illuminated, when power is connected to the safety shower. Whenever the green light is extinguished you must assume that the safety shower is out of service and take corrective steps to address this.
7. Now verify the unit is operational:
  - the green light on the control cabinet should be illuminated.
  - Check shower operation by pulling down the lever on the shower riser – a deluge of water should be delivered from the shower head.
  - check eyewash operation by pulling its cover firmly towards you; this should activate water flow. The rate can be varied by rotating the knob on the right hand side of the eye wash station.
8. The equipment is now available for service. The default water temperature is 19°C; it may take 6 - 8 hours for the tank to warm to this depending on prevailing ambient conditions. Alternative set-points are available (on request from 15 – 35°C).

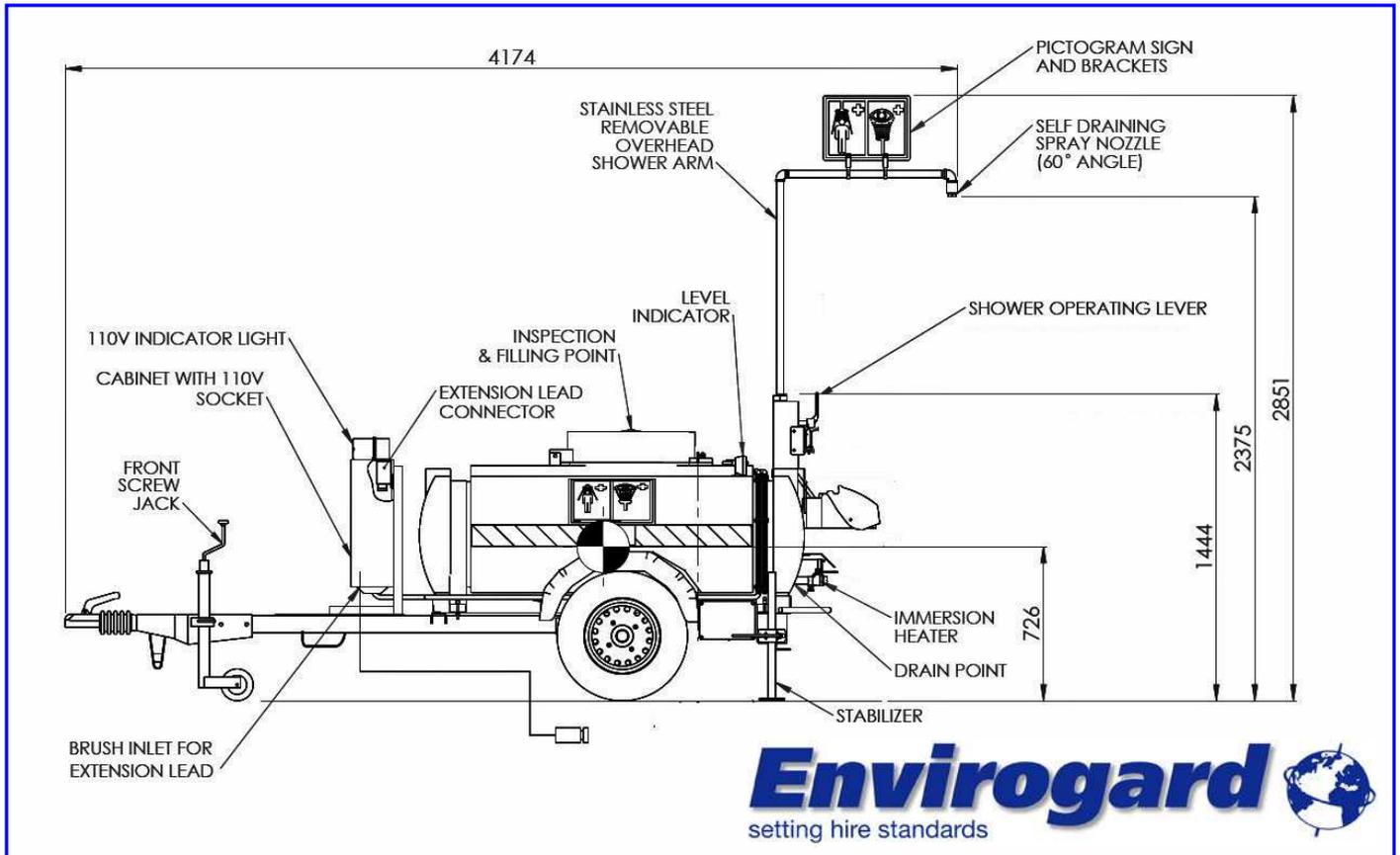


**9. In-Service Checks / Procedures:**

- (a) It is recommended that the shower and eye wash station be visually inspected at least weekly, and activated for a few seconds on each occasion; you should keep a record of this check.
- (b) When water temperature is below 25 deg. C the user is advised to empty and recharge the safety shower with clean potable water at least 3 monthly. When water temperature is sustained between 25 and 35 deg.C the user is advised to empty and recharge the safety shower with clean potable water at least monthly; recommended maximum operating temperature for this equipment is 35 deg.C
- (c) Every six months unscrew the shower and eyewash nozzles, sanitize using a mild chlorine solution (e.g. Milton), rinse in clean water and re-fit. Activate shower and eyewash to validate their operation. Visually check for evidence of damage to plumbing and wiring.

**10. After use** completely drain off all water and clean externally before returning to supplier. Uncouple shower riser and secure on bowser before towing from site.

**CAUTION:** This equipment contains water, do not allow it to freeze – keep connected to electrical power at all times while in service. If you intend using or storing this equipment in temperatures below zero celcius seek advice from the supplying depot.



**TROUBLE SHOOTING:**

- Shower does not activate: Check 110v supply is connected and live. Tank water level is too low – top up.
- Low water flow rate: Power supply voltage is low – shorten extension cable length, use heavier grade power cable, reduce / eliminate other loads sharing the same supply.

**TECHNICAL:**

- DIMENSIONS:** Stowed (empty) Length 3810mm      Width 1530mm      Height 1444mm      Weight 260 kg  
 In Service (full) Length 4174mm      Width 1530mm      Height 2851mm      Weight 1460 kg
- POWER:** 110v, 50Hz, Single Phase, 16 Amps (1.7 kW) maximum load.
- WATER FLOW:** Shower 76 litres per minute (minimum). Eye / Face-wash 1.5 to 11 litres per minute (adjustable)
- TOWING:** Highway tow trailer with 50mm ball coupling, over-run brakes, and 12v highway DOT lighting.

**Envirogard Hires**  **Manchester 01613 208 587** email: manchesterdepot@envirogard.co.uk  
**Ashford 01303 814 930** email: ashforddepot@envirogard.co.uk  
**Tamworth 01827 304 955** email: tamworthdepot@envirogard.co.uk  
**Barnsley 01226 740 900** email: barnsleydepot@envirogard.co.uk  
**Bristol 01179 374 551** email: bristoldepot@envirogard.co.uk

www.envirogard.co.uk      **NATIONWIDE DELIVERY SERVICE** 

FOR MORE INFORMATION ABOUT OUR RANGE OF HIRE EQUIPMENT PLEASE SEE OUR WEBSITE [www.envirogard.co.uk](http://www.envirogard.co.uk)