



Outdoor Heated Emergency Safety Showers
STD-MH-5K/11K
 STD-H-5K/11K, STD-J-5K/11K



OUTDOOR HEATED EMERGENCY SAFETY SHOWER

- Designed in accordance with ANSI and EU guidelines
- Free standing Emergency Safety Shower with Eye/Facewash Fountain with integral Eyebath attachment on a flexible hose
- Insulated and immersion heated for frost protection
- Hughes ball valves for greater reliability and longer life
- Covered Eye/Facewash bowl to protect against airborne contaminants - Lifting the lid provides simple operation even with impaired vision
- Sign Box fitted as standard which has the facility to include an optional indicator light to increase visibility of the Safety Shower
- Choice of optional components including alarms and foot operation

Outdoor Heated Emergency Safety Shower

Hughes Safety Showers manufacture an Outdoor wall mounted Emergency Safety Shower which is immersion heated and pre-insulated. With Eye/Facewash Fountain and additional Eyebath diffuser on flexible hose to treat unconscious or disabled personnel.

Note: Eyebath/Facewash orientation can be varied to suit clients' requirements. A sign box is also fitted which incorporates 'Emergency Shower' and 'Eye wash' signs.

Pipework available in Galvanised Mild Steel or Stainless Steel.

Specification

The shower is operated by a pull handle for ease of use in an emergency. It has a removable self-draining overhead shower nozzle, which is specifically designed for high flow rates in line with ANSI and EU standards.

The eye/facewash has high flow rate aerated diffusers for improved washing action to the eyes, face and hands and incorporates an integral lid connected to the water valve for automatic operation when the lid is lifted. The lid also ensures that the bowl remains clean and free from contamination at all times and incorporates a mirror with first-aid instructions. The eye wash diffusers are fitted with fine mesh strainers and individual flow controllers designed to give a gentle flow of aerated water. An additional 'Y' strainer is also fitted to ensure water quality.



STD-MH-5K/11K

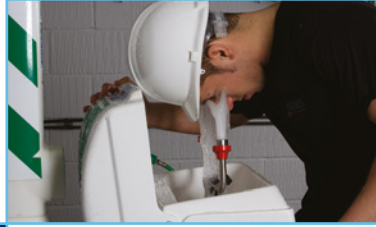
As above but with trace tape heated standpipe
 STD-H-5K/11K.

Also available without heating
 STD-J-5K/11K.

An auxiliary handheld eyebath is also incorporated and can be used to treat unconscious or disabled personnel or can be used for decontaminating the individual eye or used for washing other parts of the body.

The pictogram 'Emergency Shower' and 'Eye wash' signs are to International Standard BS EN ISO 7010.

The shower is pre-insulated with polyurethane foam to provide maximum insulation and has a corrosion resistant polyethylene outer jacket.



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TECHNICAL DETAILS



Outdoor Heated Emergency Safety Shower

MATERIALS OF CONSTRUCTION

PIPEWORK & FITTINGS (K)	Galvanised Mild Steel with 150lb medium wall tubulars and fittings
PIPEWORK & FITTINGS (KS)	316L Stainless Steel with 150lb medium wall tubulars and fittings
OPERATING VALVES	Hughes - 316 Stainless Steel
SHOWER SPRAY OUTLET	Hughes Shower Nozzle Moulded Nylon 6
EYE/FACEWASH FILTER STRAINER	Hughes - 316 Stainless Steel
INSULATION & OUTER CASING	Polyurethane Foam insulation with a Medium Density Polyethylene impact resistant Outer Casing
STANDARD FINISH	White with Green/White Safety Stripes (alternative colours available)

SERVICES

WATER INLET	1 1/4" Male BSP
DESIGN OPERATING PRESSURE	2.2 to 6 BAR G (Higher supply pressures can be accommodated when incorporating the optional Pressure Reducing Valve)
HEATING TYPE	Immersion Heated (MH) or Trace Tape Heated (H)
HEATING LOAD	95 Watts
ELECTRICAL EQUIPMENT - Non Hazardous	Suitable for use in areas classified as Non-Hazardous
ELECTRICAL EQUIPMENT - Hazardous	ATEX Zone 1 & 2 Gas Groups IIA and IIB, Temp Class T3 (IIC available)
ELECTRIC SUPPLY	240V Single Phase, 50/60Hz or 110V available
TEST PRESSURE	10.3 BAR G
MINIMUM FLOW AT OPERATING PRESSURE	Shower: 76 litres/minute minimum Facewash: 20 litres/minute minimum Eyebath - Hand Held: 8 litres/minute minimum

ENVIRONMENTAL OPERATING TEMPERATURE

MINIMUM AMBIENT OPERATING TEMP	-35° C (-31° F)
MAXIMUM AMBIENT OPERATING TEMP	35° C (95° F)

ACTIVATION/OPERATION

SHOWER OPERATION	Pull Handle (Foot Panel control for hands-free - Optional)
EYEBATH/FACEWASH OPERATION	Lift Lid (Treadle foot control for hands-free - Optional)

WEIGHTS and DIMENSIONS

OVERALL DIMENSIONS	480(W) x 855(D) x 2705mm(H)
WEIGHT - UNPACKED	40Kg (No Options)

Hughes Ball Valve

- Designed using the latest 3D modelling software
- Specifically developed for Hughes Emergency Shower and Eye wash equipment
- Stainless steel construction to cope with the harshest atmospheres
- Low operating torque designed for ease of operation
- Tested and witnessed by independent test house specialist
- Designed for rough service

All valves are easily removable for servicing and maintenance.



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OPTIONS

Options



Lighting for Sign Box



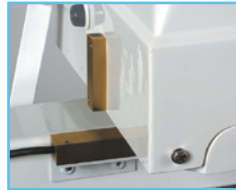
Panel Foot Control



Treadle Foot Control



Shower Proximity Switch



Eyebath/Facewash Proximity Switch



Flow Switch



Audible/Visual Alarm



Audible Alarm



Visual Alarm



Pressure Reducing Valve



Scald Protection Valve



Freeze Protection Valve



Inlet Flange



Heated Underground Extension Pipe



Cubicle



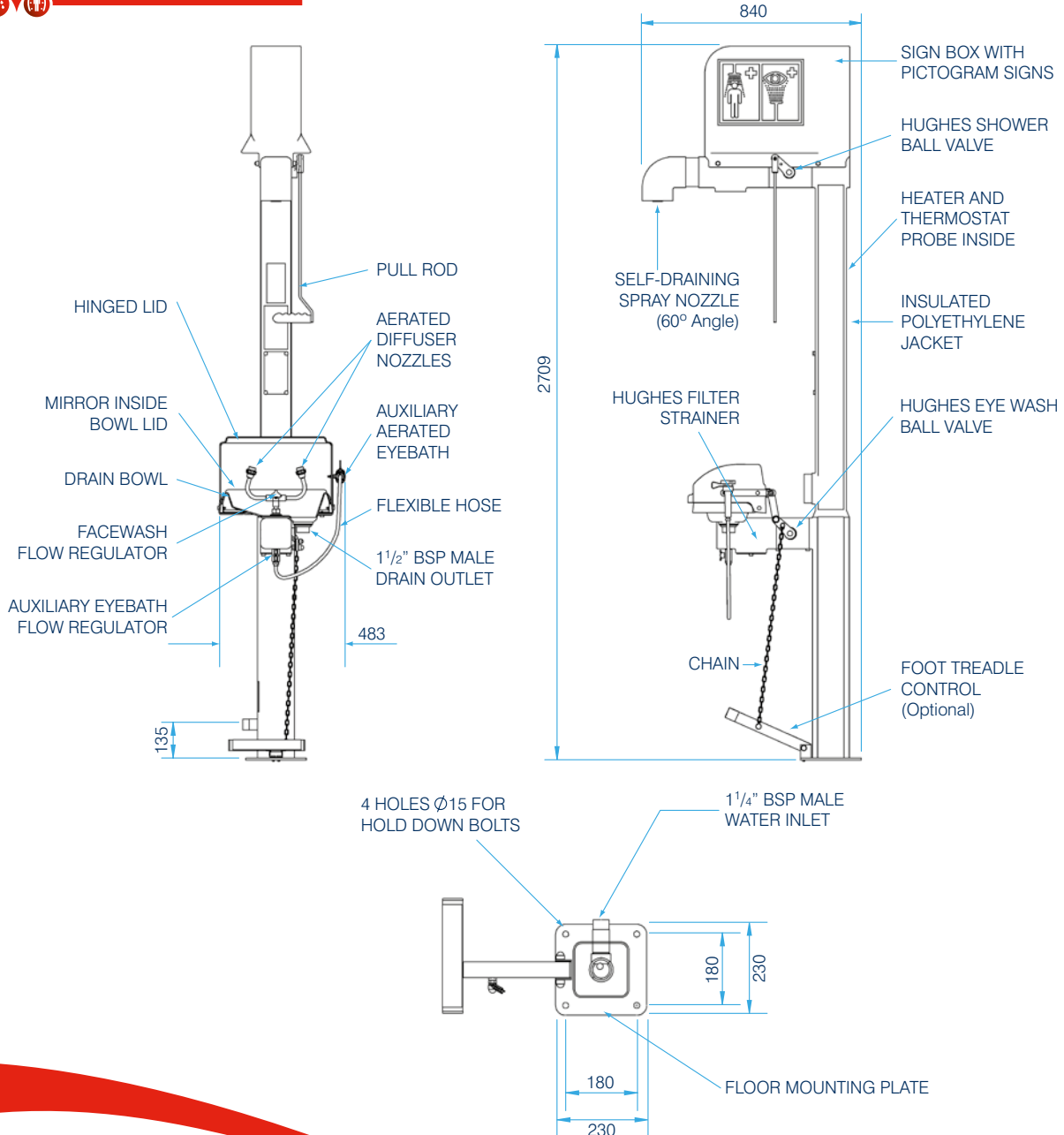
	Optional Fittings	Lighting for Sign Box	Panel Foot Control	Treadle Foot Control	Shower Proximity Switch	Eyebath/Facewash Proximity Switch	Flow Switch	Audible/Visual Alarm	Audible Alarm	Visual Alarm	Brass Pressure Reducing Valve	Scald Protection Valve	Freeze Protection Valve	Inlet Flange	Heated Underground Extension Pipe	Cubicle
STD-MH-5K/11K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-MH-5KS/11KS	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-H-5K/11K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-J-5K/11K	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●



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HUGHES

G.A. DRAWING



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