



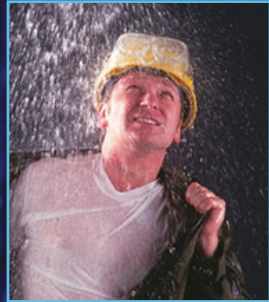
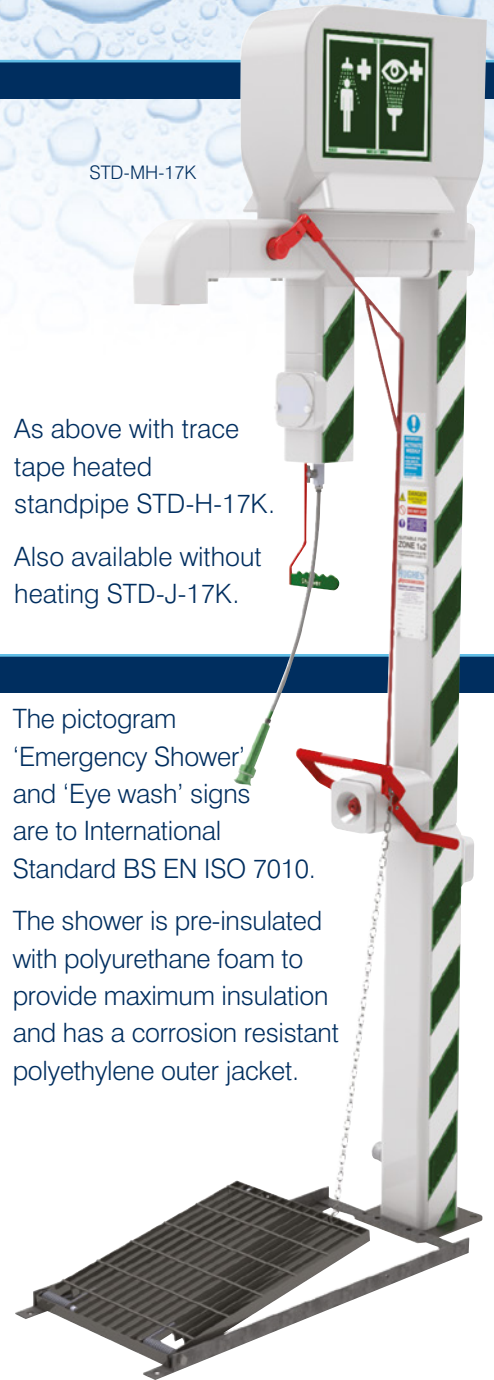
Outdoor Heated Emergency Safety Showers
STD-MH-17K
 STD-H-17K, STD-J-17K

Outdoor Heated Emergency Safety Shower

Hughes Safety Showers manufacture an Outdoor Emergency Safety Shower with additional Body Spray and Eyebath attachment which is immersion heated and pre-insulated. The eyebath attachment is on a flexible hose and incorporates a handle, removable eyebath cup and dust cover (eyebath can be located on rear of unit if requested). A sign box is also fitted which incorporates 'Emergency Shower' and 'Eye wash' signs. Pipework available in Galvanised Mild Steel or Stainless Steel.

STD-MH-17K

As above with trace tape heated standpipe STD-H-17K.
 Also available without heating STD-J-17K.



OUTDOOR HEATED EMERGENCY SAFETY SHOWER

- Designed in accordance with ANSI and EU guidelines
- Free standing Emergency Safety Shower with additional Body Spray and Eyebath attachment on a flexible hose
- Insulated and immersion heated for frost protection
- Hughes ball valves for greater reliability and longer life
- Incorporates additional body spray to significantly speed up the decontamination of the frontal body area
- 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

Specification

The shower is operated by a panic bar for ease of use in an emergency, which includes a test handle to enable the unit to be tested without the operator getting wet. It has a removable self-draining overhead shower nozzle, which is specifically designed for high flow rates in line with ANSI and EU standards. It also incorporates a body spray to significantly speed up the decontamination of the frontal body area.

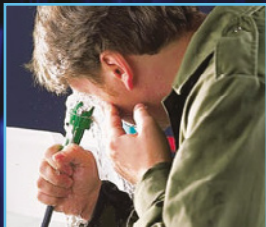
The eyebath attachment is on a flexible hose and incorporates a pull handle, removable eyebath cup and dust cover.

The eyebath diffuser is fitted with a fine mesh strainer designed to give a gentle flow of aerated water. An additional 'Y' strainer is also fitted to ensure water quality.

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 OUTLETS	Hughes Shower Nozzle Moulded Nylon 6
EYEBATH 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 1/2" Male BSP
DESIGN OPERATING PRESSURE	1.8 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	113 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/Body Spray: 115 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/BODY SPRAY OPERATION	Panic Bar (Foot Panel control for hands-free - Optional)
EYEBATH OPERATION	Pull Handle

WEIGHTS and DIMENSIONS

OVERALL DIMENSIONS	460(W) x 890(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



Shower Proximity Switch



Eyebath 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

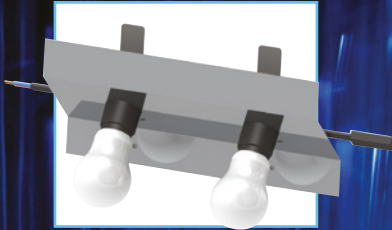
	Lighting for Sign Box	Panel Foot Control	Shower Proximity Switch	Eyebath Proximity Switch	Flow Switch	Audible/Visual Alarm	Audible Alarm	Visual Alarm	Brass Pressure Reducing Valve	Scald Protection Valve	Freeze Protection Valve	Inlet Flange	Heated Underground Extension Pipe	Cubicle
STD-MH-17K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-MH-17KS	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-H-17K	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-J-17K	●	●	●	●	●	●	●	●	●	●	●	●	●	●



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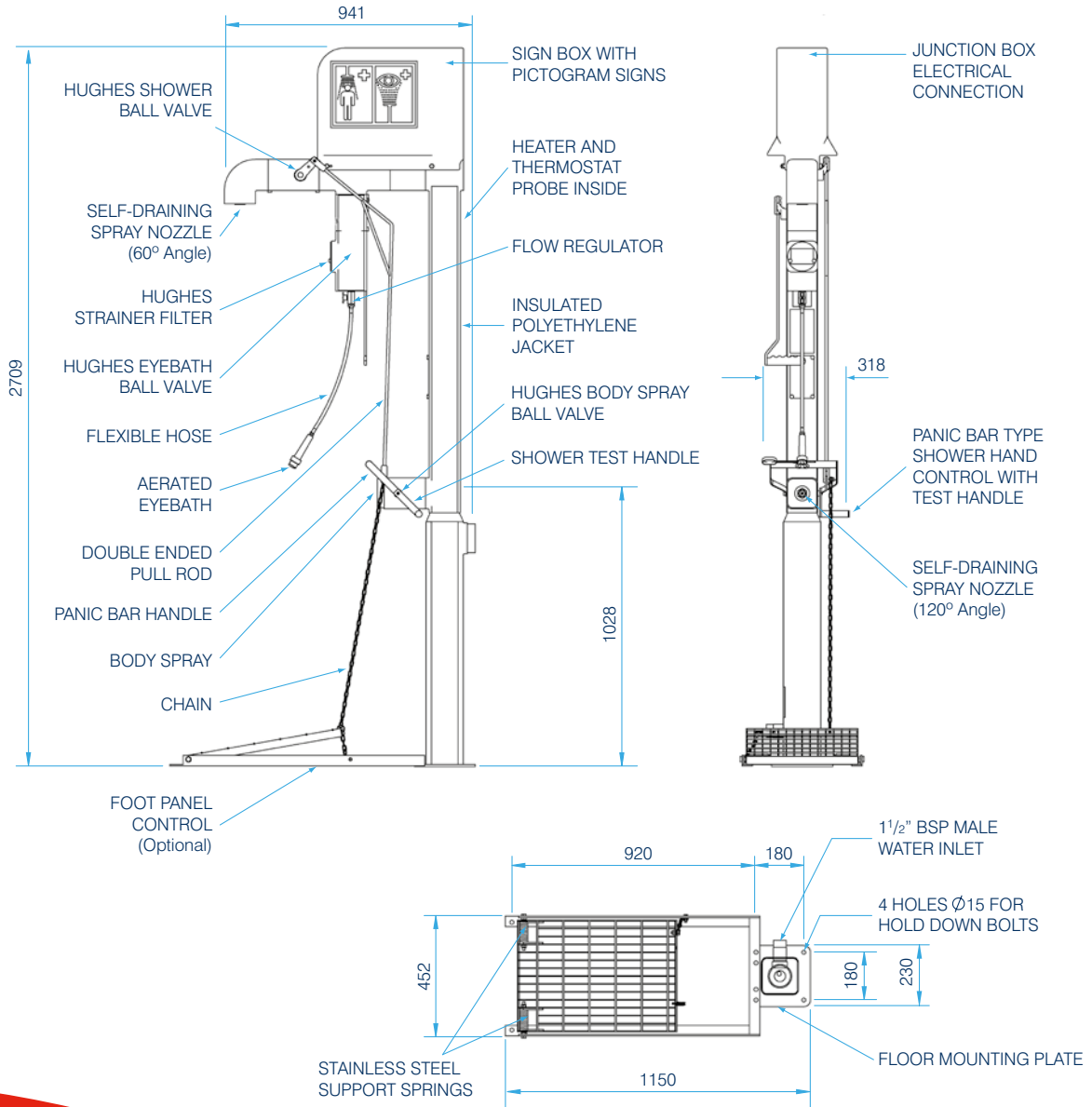
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HUGHES G.A. DRAWING



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