PRODUCT INFORMATION SHEET

Outdoor Self-Draining Safety Showers

EXP-SD-18G/45G

EXP-SD-18GS/45GS

OUTDOOR SELF-DRAINING SAFETY SHOWER

- Designed in accordance with ANSI and EU guidelines where applicable
- Free standing Self-Draining Emergency Safety Shower and Eye/Facewash
- Suitable for Hot climates
- Covered Eye/Facewash bowl to protect against airborne contaminants - Pulling lid provides simple operation even when vision is impaired
- Hughes shower ball valve for greater reliability and longer life
- Available in Galvanised or Stainless Steel
- Choice of optional components including alarms and foot operation

Outdoor Self-Draining Safety Shower

Hughes Safety Showers manufacture a free standing self-draining Emergency Safety Shower with 'unbreakable' Eye/Facewash Fountain. The main shower valve is situated directly above the water inlet and is complete with bleed pipe to drain water from the standpipe to reduce overheating by solar radiation.

Pipework available in Galvanised Mild Steel or Stainless Steel.

EXP-SD-18GS/45G (Stainless Steel)

EXP-SD-18G/45G (Galv M.S.)

Specification

The shower is lever operated 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 the 'unbreakable' eye/facewash fountain incorporates an integral lid connected to the water valve for automatic operation when the lid is pulled down. The lid also ensures that the bowl remains clean and free from contamination at all times. The eye wash diffusers are fitted with fine mesh strainers and an individual flow controller and are designed to give a gentle flow of aerated water.

NB: Supplied in sections for assembly on site for economical shipping costs.

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TECHNICAL DETAILS

Outdoor Self-Draining Safety Shower

MATERIALS OF CONSTRUCTION	
PIPEWORK & FITTINGS (G)	Galvanised Mild Steel with 150lb medium wall tubulars and fittings
PIPEWORK & FITTINGS (GS)	316L Stainless Steel with 150lb medium wall tubulars and fittings
SHOWER OPERATING VALVE	Hughes - 316 Stainless Steel
SHOWER SPRAY OUTLET	Hughes Shower Nozzle Moulded Nylon 6
EYE/FACEWASH BOWL/LID	Acrylic Capped ABS
EYE WASH DIFFUSERS	Chrome Plated Brass with Stainless Steel Mesh
STANDARD FINISH - Galvanised Mild Steel STANDARD FINISH - Stainless Steel	Green Powder Coated (Alternative colours available) Polished Brush Finish (Paint options available)

SERVICES	
WATER INLET	$1^{1}/_{4}$" Female BSP
DESIGN OPERATING PRESSURE	2.0 to 6 BAR G (Higher supply pressures can be accommodated when incorporating the optional Pressure Reducing Valve)
TEST PRESSURE	10.3 BAR G
MINIMUM FLOW AT OPERATING PRESSURE	Shower: 76 litres/minute minimum Eye/Facewash: 20 litres/minute minimum

ENVIRONMENTAL OPERATING TEMPERATURE	
MINIMUM AMBIENT OPERATING TEMP	5° C (41° F) - (0° C (32° F) if valve is insulated)
MAXIMUM AMBIENT OPERATING TEMP	45° C (113° F)

ACTIVATION/OPERATION	
SHOWER SPRAY OPERATION	Hand Lever (Optional Foot Panel)
EYE/FACEWASH OPERATION	Pull Lid Down (Optional Foot Treadle)

WEIGHTS and DIMENSIONS	
DIMENSIONS (STANDARD ORIENTATION)	340(W) x 750(D) x 2300mm(H)
WEIGHT	18Kg (No Options)

Standards

ANSI American National Standards Institute

bsi. ISO 9001 Quality Management

- ALLOCATE A LOCATION REFERENCE FOR EASE OF IDENTIFICATION
- ALL UNITS TO BE ACTIVATED WEEKLY - ANSI Z358.1 2014
- SAFETY SHOWER/EYE WASH MUST BE LOCATED WITHIN 10 SECONDS OR 15 METRES OF A POTENTIAL HAZARD - ANSI Z358.1 2014
- THE UNIT MUST BE LOCATED ON THE SAME LEVEL AS THE HAZARD AND THE PATH OF TRAVEL & LOCAL AREA SHOULD BE FREE FROM OBSTRUCTIONS - ANSI Z358.1 2014
- THE UNIT SHOULD BE WELL LIT AND IDENTIFIED WITH HIGHLY VISIBLE SIGNAGE TO BS EN ISO 7010 - ANSI Z358.1 2014
- FLUSH FOR SUFFICIENT DURATION TO PURGE THE SUPPLY PIPE WITH FRESH WATER
- REPLACE WORN OR ILLEGIBLE SAFETY SIGNS AND STICKERS
- SIGN & DATE SERVICE TAG WHEN SERVICE COMPLETED

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

HUGHES

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bsi. UKAS MANAGEMENT SYSTEMS

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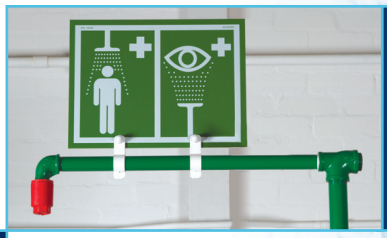


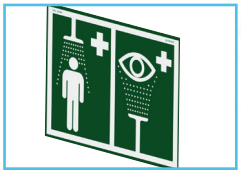
Outdoor Self-Draining Safety Showers

EXP-SD-18G/45G

EXP-SD-18GS/45GS

OPTIONS

Options



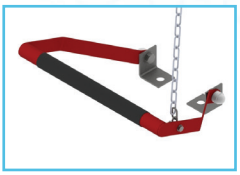
Shower/Eye wash Signs

Well Glass Light

ABS Shower Rose

Stainless Steel Shower Rose

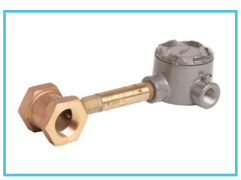
Panel Foot Control



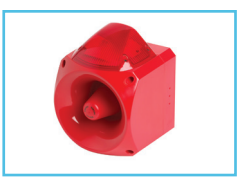
Treadle Foot Control

Shower Proximity Switch

Eye/Facewash Proximity Switch



Flow Switch



Audible/Visual Alarm

Audible Alarm

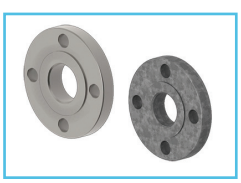
Visual Alarm

Y Strainer

Pressure Reducing Valve

Scald Protection Valve

Freeze Protection Valve



Inlet Flange

Cubicle

Optional Fittings	Shower/Eye wash Signs	Well Glass Light & Mounting Brackets	ABS Shower Rose	Stainless Steel Shower Rose	Panel Foot Control	Treadle Foot Control	Shower Proximity Switch	Eye/Facewash Proximity Switch	Flow Switch	Audible/Visual Alarm	Audible Alarm	Visual Alarm	Y Strainer with Fine Mesh Filter	Brass Pressure Reducing Valve	Scald Protection Valve	Freeze Protection Valve	Inlet Flange	Cubicle
STD-SD-18G/45G	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
STD-SD-18GS/45G	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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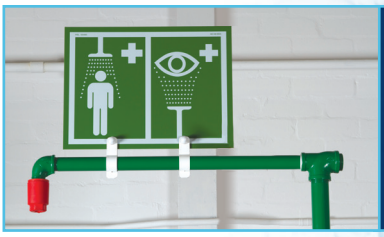

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G.A. DRAWING

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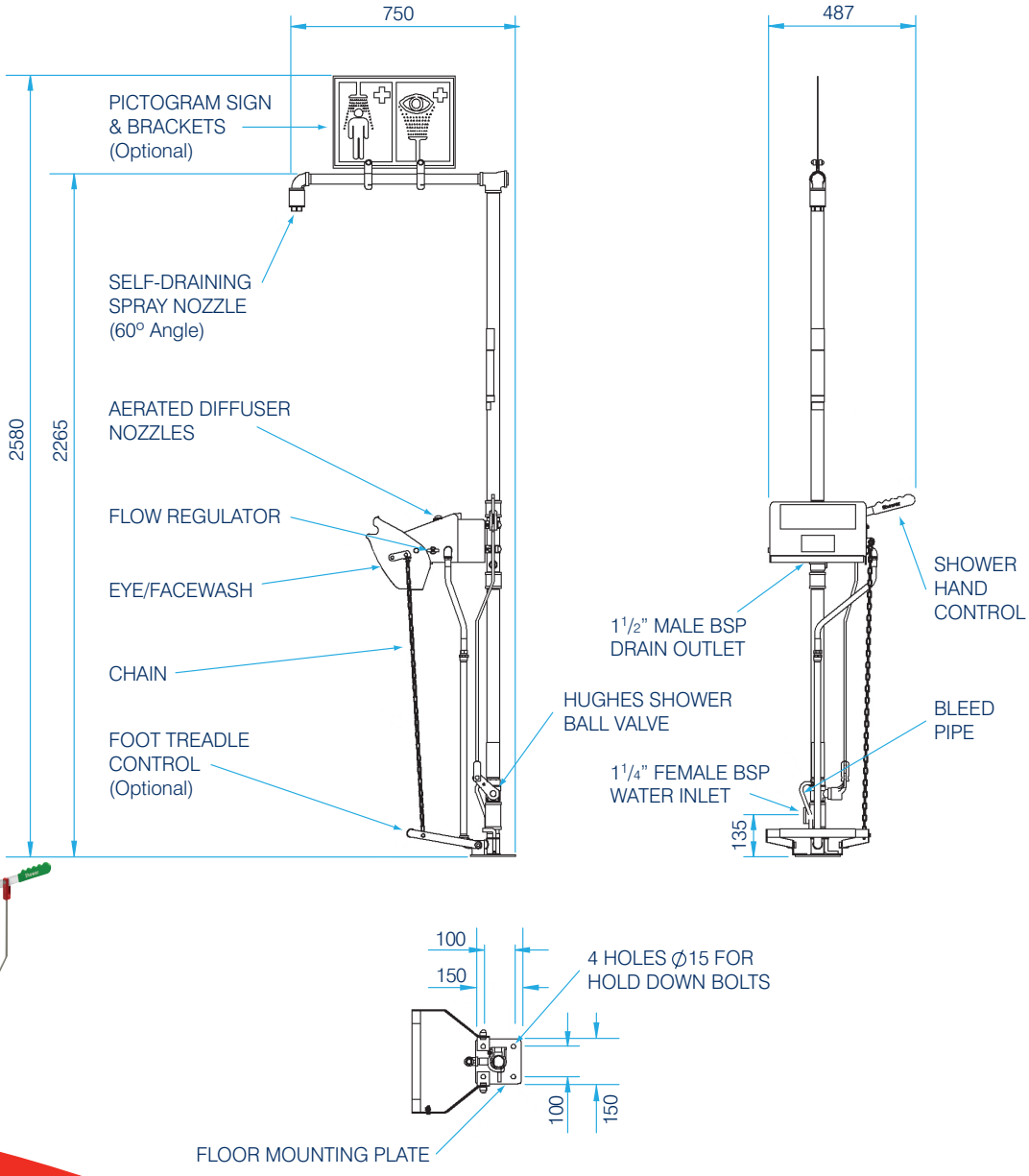

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