



HUGHES



HUGHES-SAFETY.COM

a Justrite® Group Company

EYE/FACE WASH
EQUIPMENT

INDOOR EMERGENCY
SAFETY SHOWERS

OUTDOOR EMERGENCY SAFETY SHOWERS

TEMPERATURE CONTROLLED SAFETY SHOWERS

MOBILE SAFETY SHOWERS

PPE DECONTAMINATION SHOWERS

EMERGENCY RESPONSE EQUIPMENT

SPILL CONTAINMENT

Europe's Largest Manufacturer of Emergency Safety Showers, Eye/Face Wash and Decontamination Equipment

Hughes Safety Showers put the safety of your workforce first by providing emergency safety showers, eye/face wash and decontamination equipment designed to operate across all industries regardless of location, climate or local hazards.

Established in 1968, Hughes has built a reputation for innovative engineering design, stringent quality standards and compliance with European and International standards. With offices and manufacturing facilities in the UK, USA, Canada, Germany and the Middle East, complemented by a network of authorised distributors worldwide, you're in safe hands with Hughes Safety Showers.

In 2016, Hughes joined the Justrite Manufacturing Co. family of industrial hazardous and environmental spill containment products creating a stronger industrial safety company to better serve our customers.

Visit www.hughes-safety.com to learn more about how an unfortunate accident led John D. Hughes to set-up what is now Europe's largest manufacturer of emergency safety showers, eye/face wash and decontamination equipment.

HUGHES



HUGHES-SAFETY.COM

a Justrite® Group Company

Contents

EMERGENCY EYE/FACE WASH EQUIPMENT	4-6
INDOOR EMERGENCY SAFETY SHOWERS	8-11
OUTDOOR EMERGENCY SAFETY SHOWERS	12-15
EMERGENCY TANK SHOWERS	16-17
TEMPERATURE CONTROLLED EMERGENCY SAFETY SHOWERS	18-19
MOBILE EMERGENCY SAFETY SHOWERS	20-21
PPE DECONTAMINATION SHOWERS	23
EMERGENCY RESPONSE SOLUTIONS	24-25
SPILL CONTAINMENT	26-27
OPTIONAL FITTINGS AND ACCESSORIES	28
ENGINEERED SOLUTIONS AND RENTALS	29

Due to ongoing product development content within the catalogue is subject to change.

HUGHES



HUGHES-SAFETY.COM

Emergency Safety Showers and Eye/Face Washes - making the right choices

Emergency safety showers and eye/face wash units provide the first line of defence in the event of a chemical splash or spillage. When workers get potentially dangerous substances on their clothing or bodies, they need to be able to wash it off as quickly as possible. Any delay can exacerbate the situation resulting in more serious injury with possible long-term consequences, permanent disability and even death.

Many companies operate at the extremes, from desert to arctic conditions, and such challenging environments inevitably place harsh demands on safety equipment. There are fundamental points to consider when choosing emergency safety showers, irrespective of the industry or the location:

Compliance with Recognised Standards

It is important to meet the minimum requirements, which may be mandatory on some sites, of International and European standards. The American National ANSI Z358.1-2014 standard is recognised worldwide and considered to be the most comprehensive. It provides guidance for determining the flow rate, duration of operation and water temperatures necessary for safe and effective use of any emergency safety shower and eye wash unit.

The ANSI standard identifies four essential requirements for the satisfactory operation of emergency safety showers and eye wash units.

1. Adequate Water Flow

Emergency safety showers should deliver a minimum of 76 litres (20 US gallons) per minute of potable water for up to 15 minutes in the required pattern. Eye/face wash units should deliver 11.4 litres (3 US gallons) per minute for up to 15 minutes to ensure a thorough decontamination.

2. Operation

Equipment must be both accessible and easy to operate, even if the victim has impaired vision. The shower and eye wash valve must be designed so the flushing flow remains on without the use of the operator's hands and goes from 'off' to 'on' in one second or less.

3. Water Temperature

Water delivered by safety showers should be tepid, between 16-38°C (60-100°F). At temperatures above 38°C (100°F) there is the added danger of scalding and increased absorption of harmful chemicals into the skin. Prolonged exposure to water below 16°C (60°F) increases the risk of thermal shock or hypothermia.

4. Location

Emergency safety showers should be installed within 10 seconds reach and on the same level as a potential hazard. They must be situated in a prominent position, clearly visible and free from any obstructions.

Emergency equipment must be visually inspected and activated weekly along with an annual service to assure conformance to ANSI and European standards. Overall a good maintenance program is essential to guarantee reliable and effective emergency equipment.

If you need any advice on meeting world standards, please contact us on - **+44 (0)161 430 6618** or via email **sales@hughes-safety.com**



Considerations

- Emergency safety showers can be floor standing, or where space is restricted, mounted on walls or ceiling. Similarly, eye wash units can be mounted on walls, pedestals or work surfaces depending on the type of hazard or working environment.
- Most emergency safety showers and eye wash units can be supplied with a wide range of optional fittings to make them easier to use and to alert co-workers and first aiders. These include local and remote alarms, lighting and a choice of devices to activate the shower such as pull rods, panic bars and foot plates.
- Emergency safety showers and eye wash units are either supplied alone or as a combined unit. Limited space or the nature of the hazard may mean separate units are the preferred option. However, combined safety showers and eye wash cover all potential accidents.
- Plumbed in emergency safety showers and eye wash units are designed for indoor or outdoor applications, and can be supplied with jacketed and insulated pipes complete with trace heating for frost protection on those units exposed to low outdoor temperatures. Self-draining showers offer a solution for warmer climates and where tepid water is required (*see page 12 for more information*).
- Tank showers are ideal where tepid water or a constant supply of water cannot be guaranteed. Optional heaters or chillers can be fitted depending on the climate to provide tepid water between 16°-38°C (60°-100°F) as specified in the ANSI standard.

Hot Climates

In high ambient temperatures, the water in safety showers may become overheated from the mains supply or from solar radiation resulting in the possibility of scalding to the user upon operation.

The most effective solution in hot climates for the provision of tepid water is a tank shower fitted with a chiller unit system. Water constantly circulates through the chiller system and when the temperature starts to rise the unit switches on to keep the water within the safe limits.

Where high temperatures during the day are followed by cold nights, it may also be necessary to fit an

immersion heater in the tank to maintain a minimum water temperature.

Alternatively, the use of self-draining emergency safety showers ensures that water automatically drains from the standpipe when not in use to prevent it from being heated by solar radiation, which could result in further injury to the user.

Cold Climates

Preventing the water in emergency safety showers from freezing in sub-zero conditions is essential, and protecting casualties from thermal shock or hypothermia in such harsh conditions during and after showering is equally important.

One solution is to use a temperature controlled shower, such as a modular polar cubicle shower. When fitted with a heated water tank, mains water is mixed with heated water from a thermostatically controlled cylinder to give the correct temperature at the shower head. The shower, invariably supplied with an integral eye wash, is enclosed within a heated booth, while the double-skinned insulated doors and a space heater keep casualties warm and protect them from the elements until help arrives.

Alternatively, polar tank showers contain an insulated tank and are fitted with insulated double swing opening doors. An integral immersion heater, controlled by a dual safety thermostat, maintains the water in the insulated tank at a constant, acceptable temperature in severely cold climates.

Selecting a safety shower for your application that complies with the ANSI standard regarding tepid water is the only way to ensure effective first aid in the event of an accident. By discussing your site requirements early with the Hughes team we will ensure you get the most effective and cost-efficient solution.

Contact us today on +44 (0)161 430 6618.

Servicing, Testing and Maintenance

Protect your investment in safety. Regular testing and routine servicing will ensure that your emergency safety showers and eye wash units continue to operate effectively during their lifetime. All Hughes service engineers are fully trained in servicing and maintaining all models of safety showers and eye/face wash units. Site surveys can also be arranged to assess the condition and suitability of your equipment and the cost of bringing facilities up to date.

Contact us today to arrange a site visit or to discuss our service contracts and retrofitted options.

Tel: +44 (0)161 430 6618 or

email: sales@hughes-safety.com



EMERGENCY EYE/FACE WASH EQUIPMENT - PLUMBED IN

Factories, laboratories or schools, whatever the location, all plumbed in eye/face washes are designed to be quick and simple to operate. This extensive range is intended for indoor use but may, where practical, be located outdoors in warmer climates.

There are various options to suit all environments; open or closed bowl, plastic or stainless steel and powder coated, perfect for the laboratory. Whether you need wall, pedestal, table or bench mounted eye/face washes there is a model to fit your requirements.



Aerated Eye Wash Diffusers

For high flow rate irrigation with a soft scrubbing action

Large Pictogram Sign

For greater visibility

Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris

Flow Regulator Valve

Ensures an optimum water flow

Acrylic Capped ABS

Tough, durable construction with corrosion and UV resistance

STD-45G

Wall-Mounted Emergency Eye/Face Wash with Integral Lid

- High flow rate aerated diffusers provide an improved washing action and prevent further injury to the eyes
- Integral lid connects 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
- Flow regulator valve ensures an optimum water flow



STD-45G

STD-85G

Wall-Mounted Emergency Eye/Face Wash with Stainless Steel Open Bowl

- Twin spray nozzles protected by 'pop-off' dust covers which lift off when eye wash is activated
- Fine mesh strainers and individual flow controllers provide a gentle flow of aerated water
- Also available with a yellow plastic ABS open bowl (model **STD-75G**) or powder coated stainless steel, ideal for a laboratory environment (model **LAB-85GS**)



STD-85G

Emergency Eye/Face Wash Equipment - Plumbed In - Wall-Mounted	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Eye/face wash, open ABS bowl	STD-75G	-	400	15.7	430	16.9	290	11.4	4	9	1/2 in (F)	2	29	12	3
Eye/face wash, open stainless steel bowl	STD-85G	-	400	15.7	430	16.9	290	11.4	4	9	1/2 in (F)	2	29	12	3
Eye/face wash, closed ABS bowl	STD-45G	-	362	14.3	320	12.6	227	8.9	3	7	1/2 in (F)	2	29	12	3

Pedestal Mounted Range

The pedestal mounted range of emergency eye/face wash units includes freeze-protected and self-draining models, ideal for challenging environments.



Emergency Eye/Face Wash Equipment - Plumbed In - Pedestal-Mounted	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Eye/face wash, open ABS bowl	STD-75G/P	STD-75GS/P	535	21.1	314	12.4	1154	45.4	10	22	1 1/4 in (F)	2	29	12	3
Eye/face wash, open stainless steel bowl	STD-85G/P	STD-85GS/P	535	21.1	314	12.4	1154	45.4	10	22	1 1/4 in (F)	2	29	12	3
Eye/face wash, closed ABS bowl	STD-45G/P	STD-45GS/P	464	18.3	320	12.6	1175	46.3	10	22	1 1/4 in (F)	2	29	12	3
Self-Draining															
Eye/face wash, open ABS bowl	EXP-SD-75G/P	EXP-SD-75GS/P	505	19.9	400	15.7	1273	50.1	10	22	1 1/4 in (F)	2	29	12	3
Eye/face wash, open stainless steel bowl	EXP-SD-85G/P	EXP-SD-85GS/P	505	19.9	400	15.7	1273	50.1	10	22	1 1/4 in (F)	2	29	12	3
Freeze Protected															
Eye/face wash, closed ABS bowl, hazardous 110V, 50/60Hz	EXP-AH-45G/P(F1)	EXP-AH-45GS/P(F1)	640	25.2	320	12.6	1224	48.2	14	31	1 1/4 in (M)	2	29	12	3
Eye/face wash, closed ABS bowl, hazardous 230V, 50/60Hz	EXP-AH-45G/P(F2)	EXP-AH-45GS/P(F2)	640	25.2	320	12.6	1224	48.2	14	31	1 1/4 in (M)	2	29	12	3
Insulated															
Eye/face wash, closed ABS bowl	EXP-EJ-45G/P	EXP-EJ-45GS/P	640	25.2	320	12.6	1224	48.2	14	31	1 1/4 in (M)	2	29	12	3

Laboratory Range

Does your eye/face wash equipment need to meet the requirements of the **European Standard EN 15154 for Laboratories?** These wall, table, bench and pedestal mounted eye/face wash units meet both European and international standards with an easy-to-clean stainless steel green powder coated finish, ideal for the laboratory, and provide 12 litres per minute of flushing fluid.

LAB-85GS

Wall Mounted Emergency Eye/Face Wash with Integral Powder Coated Stainless Steel Bowl

- 'Pop-off' dust covers protect the twin spray nozzles from contaminants, these are lifted off by the water jets upon operation
- Fine mesh strainers and individual flow controllers provide a gentle flow of aerated water
- Ideal for laboratories, schools and general light duty indoor use



LAB-85GS

Laboratory Range	Model No	Depth		Width		Height		Weight		Inlet Size BSP	Min Pressure		Water Flow	
		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Wall-mount	LAB-85GS	400	15.7	429	16.9	290	11.4	4	8	1/2 in (F)	2	29	12	3
Table-mount	LAB-85GS/T	300	11.8	429	16.9	210	8.3	3	7	1/2 in (F)	2	29	12	3
Pedestal-mount	LAB-85GS/P	547	21.5	429	16.9	1110	43.7	8	18	1 in (M)	2	29	12	3

Handheld Eye, Face and Body Wash

The Optiflex range of wall and table mounted hand-held eye, face and body showers have been developed to suit hazardous environments where there is a risk of small spillages of chemicals or dangerous substances.

- Fitted with 'pop-off' dust covers, a non-return valve and flow regulator
- Complete with 1.5m of reinforced hose, particularly useful for treating disabled personnel
- Lock-on actuating button for ease of use, meeting European and international standards

Handheld Eye, Face and Body Wash	Nozzles	Depth		Width		Height		Weight		Inlet Size BSP	Min Pressure		Water Flow	
		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Optiflex 100 - wall-mount	1	70	2.8	70	2.8	230	9.1	1	2	1/2 in (M)	1.5	22	8	2.11
Optiflex 200 - table-mount	1	70	2.8	70	2.8	250	9.8	1	2	1/2 in (M)	1.5	22	8	2.11
Optiflex 500 - wall-mount	2	137	5.4	145	5.7	350	13.8	1	2	1/2 in (M)	1.5	22	12	3
Optiflex 600 - table-mount	2	127	5.0	145	5.7	325	12.8	2	3	1/2 in (M)	1.5	22	12	3



Optiflex 100

Optiflex 500

EMERGENCY EYE/FACE WASH EQUIPMENT - SELF-CONTAINED

The portable eye wash stations offer an effective solution in locations that are unsuitable for fixed installations, enabling rapid response within 10 seconds of a hazard and should be used as a secondary safety measure to supplement plumbed in eye/face wash units.

Available in capacities of 11, 15, 28 or 60 litres (3, 4, 7 or 16 US gallons) with varying flushing times and pressures.

STD-68G

Portable Self-Contained Eye Wash Station

- Easy to transport and ideal for use where a continuous supply of water is not available
- This gravity fed 60 litre station delivers a controlled flow of a minimum of 1.5 litres per minute of potable water at ambient temperature for 15 minutes, meeting ANSI requirements
- Wide fill opening enables quick inspection, cleaning and filling
- For use as a wall-mounted or table top unit. Provided with one bottle of water preservative



STD-68G

STD-28G

Portable Emergency Eye Bath Unit

- 11 litre, stainless steel eye bath unit providing a gentle flow of water for two minutes
- Incorporates a stainless steel cylinder with pressure gauge pressurised via a Schraeder valve
- Hand-held eye bath diffuser on flexible hose for ease of use
- Available with an optional wall cabinet or heated cabinet



STD-28G

STD-38G

Portable Emergency Eye, Face and Body Shower

- 15 litre stainless steel cylinder with Optiflex hand shower effectively washes eyes, face and body
- Delivers up to three minutes of water when pressurised via a Schraeder valve
- Pressure gauge and dual action safety valve prevent over pressurisation and allow the user to vent the cylinder for cleaning and maintenance
- Available with an optional wall cabinet or heated cabinet



STD-38G

STD-58G

Portable Eye/Face Wash Unit

- The stainless steel cylinder is capable of washing eyes and face simultaneously for up to 15 minutes
- 'Pop-off' dust covers and push lever operation for ease of use
- For decontamination of body parts subjected to minor contamination, an optional Optiflex eye, face and body shower can be fitted



STD-58G

Self Contained Eyewash Equipment	Capacity		Operation Duration minutes	Depth		Width		Height		Weight		Water Flow	
	Litres	US Gals		mm	inch	mm	inch	mm	inch	kg	lbs	Litres per min	US Gals per min
STD-68G - Gravity Fed	60	16	15	540	21.3	513	20.2	457	18	68 full 8.2 empty	151 full 18 empty	1.5	0.4
STD-28G - Pressurised	11	2.9	2	180	7.1	180	7.1	675	26.6	15 full 4 empty	33 full 9 empty	6	1.59
STD-38G - Pressurised	15	4	3	242	9.5	267	10.5	820	32.3	20 full 5 empty	44 full 11 empty	6	1.59
STD-58G - Pressurised	28	7.4	15	312	12.3	375	14.8	990	39	38 full 10 empty	84 full 22 empty	1.5	0.4

HUGHES



HUGHES-SAFETY.COM



See page 10 for the range of unheated emergency safety showers suitable for the laboratory



Floor Mounted



Ring Main Mounted



Ceiling Mounted



Wall Mounted

INDOOR EMERGENCY SAFETY SHOWERS

A general purpose range of unheated emergency safety showers and eye/face wash models designed specifically for export and suitable for use in all applications not subject to the possibility of freezing or overheating.

The scope of this range extends from simple wall or ceiling mounted units to free standing models complete with body spray and eye/face wash unit.



Pictogram Emergency Shower/Eye Wash Sign

Conforming to International Standard BS EN ISO 7010

Fast, Easy-Grip Shower Activation

With powder coated stainless steel pull rod for corrosion free longevity

Optional Eye/Face and Body Shower

For direct efficient washing of the affected area or for smaller spillages

Powder Coated Galvanised Mild Steel or 316L Stainless Steel Pipework

For improved corrosion resistance

Hughes Safety Shower Valve

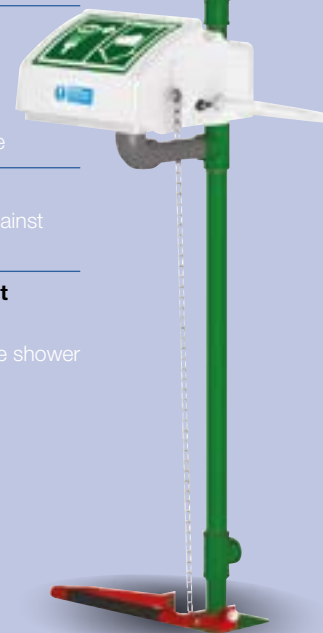
Ensures reliable, robust operation in an emergency. Made from 316L stainless steel for complete corrosion resistance and longer life

Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris

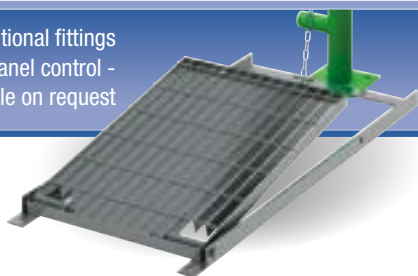
Choice of walk-on panel or foot treadle activation

Enables automatic operation of the shower or eye wash



EXP-18G/45G-T (shown with optional foot treadle)

See page 28 for optional fittings including foot panel control - all available on request



See pages 10 & 11 for our laboratory range



Drench Showers

From simple wall or ceiling-mounted units if space is at a premium, to free-standing models complete with body spray, these general purpose indoor unheated emergency safety showers are suitable for use in all applications that don't require an eye wash.

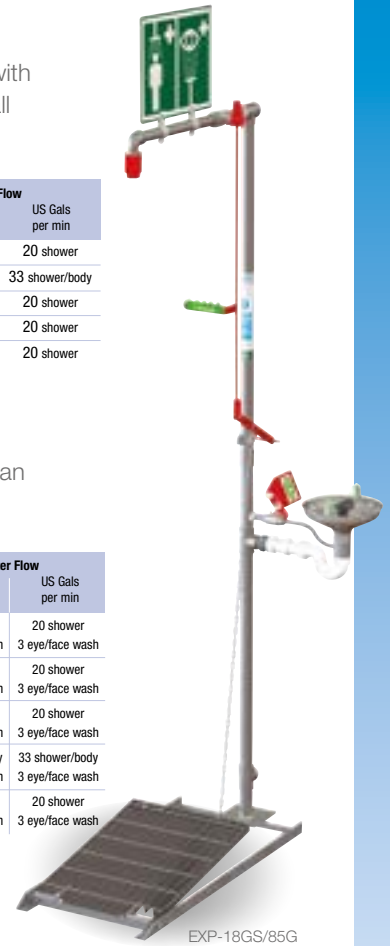
Drench Showers	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nom Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Floor mount	EXP-18G	EXP-18GS	750	29.5	150	5.9	2320	91.3	12	26	1 1/4 in (F)	1.5	22	76 shower	20 shower
Floor mount with body spray	EXP-20G	EXP-20GS	750	29.5	150	5.9	2320	91.3	16	35	1 1/4 in (F)	1.8	26	125 shower/body	33 shower/body
Ceiling mount	EXP-23G/V	EXP-23GS/V	175	6.9	228	9	801	31.5	4	8	1 in (F)	1.5	22	76 shower	20 shower
Wall mount	EXP-23G/H	EXP-23GS/H	688	27.1	162	6.4	702	27.6	5	11	1 in (F)	1.5	22	76 shower	20 shower
Ring main mount	EXP-23G*	EXP-23GS	918	36.1	206	8.1	645	25.4	3	7	1 in (M)	1.5	22	76 shower	20 shower

*Mounting plate not included

Combination Showers

The indoor emergency safety shower range includes a selection of combination showers incorporating an eye/face wash unit, the orientation of which can be varied to suit individual requirements.

Combination Showers	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nom Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Open ABS bowl, eye/face wash, floor mount	EXP-18G/75G	EXP-18GS/75G	750	29.5	314	12.4	2320	91.3	16	35	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Open stainless steel bowl, eye/face wash, floor mount	EXP-18G/85G	EXP-18GS/85G	750	29.5	314	12.4	2320	91.3	16	35	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Closed ABS bowl, eye/face wash, floor mount	EXP-18G/45G-T	EXP-18GS/45G-T	750	29.5	475	18.7	2320	91.3	17	37	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Closed ABS bowl, eye/face wash, body spray, floor mount	EXP-20G/45G-T	EXP-20GS/45G-T	1050	41.3	340	13.4	2320	91.3	20	44	1 1/4 in (F)	2	29	125 shower/body 12 eye/face wash	33 shower/body 3 eye/face wash
Closed ABS bowl, eye/face wash, wall mount	EXP-33G/45G	EXP-33GS/45G	652	25.7	340	13.4	1385	54.5	18	40	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

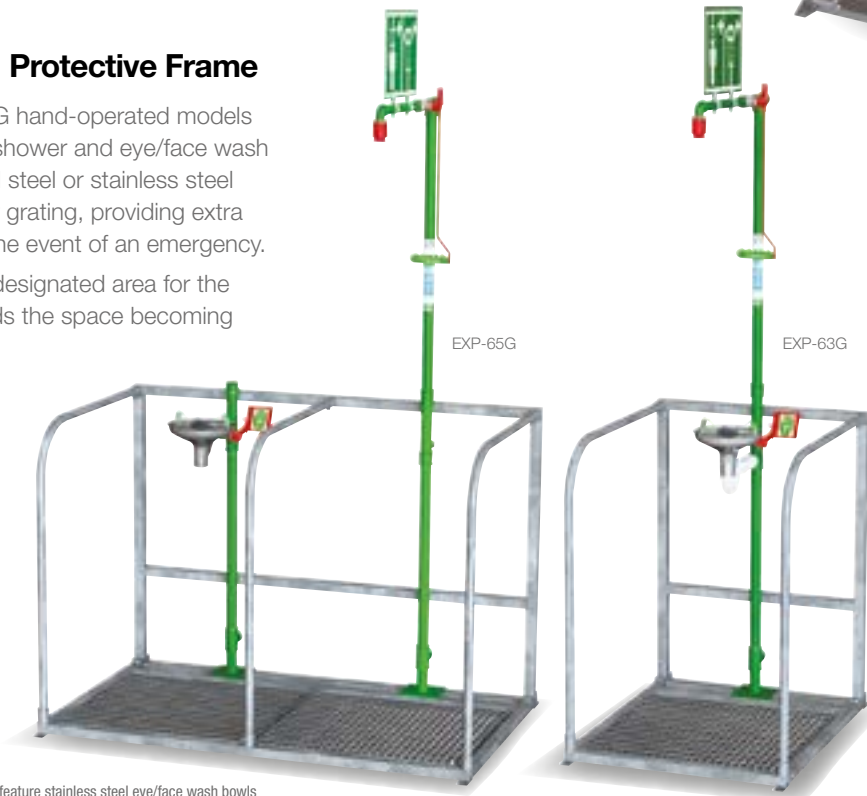


Floor Mounted with Protective Frame

The EXP-63G and EXP-65G hand-operated models offer an emergency safety shower and eye/face wash attached to galvanised mild steel or stainless steel hand rails with integral floor grating, providing extra support to the casualty in the event of an emergency.

The frame also provides a designated area for the safety equipment and avoids the space becoming obstructed.

See page 13 for the outdoor self-draining models



Both the stainless steel and galvanised models feature stainless steel eye/face wash bowls

Floor Mounted with Protected Frame	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Combination shower, hand activated	EXP-63G	EXP-63GS	1080	42.5	840	33.1	2300	90.6	105	231	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Drench shower and eye/face wash, hand activated	EXP-65G	EXP-65GS	1080	42.5	1640	64.6	2300	90.6	115	254	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

INDOOR EMERGENCY SAFETY SHOWERS - LABORATORY RANGE

This range of unheated models are suitable for laboratories and general light duty indoor use. The powder coated stainless steel pipework ensures resistance to corrosive and flammable materials whilst also being easy to clean. All these products meet the requirements of the European Standard EN 15154 Parts 1 & 2 for plumbed in laboratory showers and eye/face wash units.



Wall, Ceiling, Ring Main or Floor Mounted

To suit all laboratory environments

Powder Coated Stainless Steel Shower Rose

Designed specifically for high flow rates in line with European and ANSI standards

Optional Open Bowl Eye/Face Wash

Features 'pop-off' dust covers and suitable for use in clean areas

Powder Coated Stainless Steel Pipework

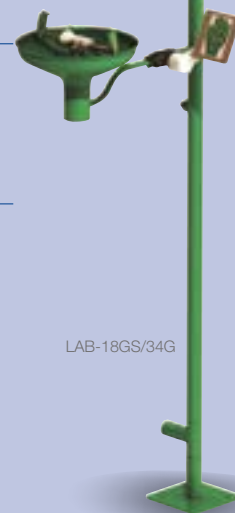
Offers improved corrosion resistance

Pull Handle Operation

Enables quick and easy operation in the event of an emergency (a push handle is fitted to models with an eye/face wash unit)

Pictogram Emergency Shower/Eye Wash Sign

Conforming to International Standard BS EN ISO 7010



LAB-18GS/34G

See page 5 for our laboratory range of eye/face wash equipment



LAB-33GS/34G

Wall Mounted Laboratory Shower with Eye/Face Wash Unit

LAB-23GS/H

Wall Mounted Laboratory Shower

LAB-23GS/V

Ceiling Mounted Laboratory Shower

LAB-23GS

Ring Main Mounted Laboratory Shower



Laboratory Range	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Shower, ceiling mount	LAB-23GS/V	260	10.2	300	11.8	312	12.3	5	11	1in (M)	1.5	22	76 shower	20 shower
Shower, wall mount	LAB-23GS/H	805	31.7	268	10.6	230	9.1	5	11	1in (M)	1.5	22	76 shower	20 shower
Shower, ring main mount	LAB-23GS*	600	23.6	260	10.2	230	9.1	5	11	1in (F)	1.5	22	76 shower	20 shower
Shower and eye/face wash, wall mount	LAB-33GS/34G	815	32.1	320	12.6	1410	55.5	13	29	1in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Shower and eye/face wash, floor mount	LAB-18GS/34G	815	32.1	320	12.6	2300	90.6	15	33	1in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

*Mounting plate not included

Emergency Cubicle Showers

The cubicle models are designed for locations where space is at a premium or the emergency safety shower needs to be enclosed. An integral drain sump is fitted to reduce the risk of surplus contaminated water outside of the cubicle area.

Where a two-stage decontamination process is required the **STD-SD-31K/V** multi-nozzle cubicle shower includes a detergent inducer and hose brush. An optional eye/face wash unit is available for most models.



Emergency Cubicle Showers	Model No	Depth		Width		Height		Weight		Inlet Size BSP	Min Pressure		Water Flow	
		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Multi-nozzle shower, foot activated	STD-SD-31K	1047	41.2	1022	40.2	2409	94.8	145	320	1in (M)	3.5	50	115 shower/body	30 shower/body
Two-stage multi-nozzle shower, hand activated	STD-SD-31K/V	1047	41.2	1022	40.2	2409	94.8	145	320	1 in (M)	3.5	50	115 shower/body	30 shower/body
Shower and eye/face wash, hand activated	STD-SD-32K/45G	1047	41.2	1320	52	2409	94.8	145	320	1in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

OUTDOOR EMERGENCY SAFETY SHOWERS

Self-Draining for Hot Climates

In tropical climates the power of the sun can heat standing water within the pipes of an emergency safety shower to temperatures as high as 50°C (122°F), resulting in a high risk of shock and scalding to a casualty when activated.

How does it work?

The design of these self-draining showers allows the standing water to drain away from the standpipe to ensure the delivery of tepid water in the event of an emergency. The valve is situated directly above the water inlet; the bleed pipe is then fitted above this so standing water can drain into the ground.

The standpipe only fills with water when the shower is activated and drains once again when the valve is closed to prevent stagnant water in the standpipe overheating from solar radiation and removing the risk of further injury to the operator.



Pictogram Emergency Shower/Eye Wash Sign

Conforming to International Standard BS EN ISO 7010

Hughes Safety Shower Nozzle

Conforming to ANSI and European standards

Body Spray

For the efficient decontamination of the lower part of the body where a spillage is most likely to occur

Powder Coated Galvanised Mild Steel or 316L Stainless Steel Pipework

For improved corrosion resistance

Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris

Self-Draining Valve

Allows standing water to drain away from the standpipe ensuring the delivery of tepid water

Choice of Walk-on Panel or Foot Treadle Activation

Enables automatic operation of the shower or eye wash



EXP-SD-18G/85G
(shown with optional foot treadle)

Self-Draining Emergency Safety Showers	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Drench shower	EXP-SD-18G	EXP-SD-18GS	750	29.5	370	14.6	2300	90.6	15	33	1 1/4 in (F)	1.5	22	76 shower	20 shower
Drench shower with body spray	EXP-SD-20G	EXP-SD-20GS	750	29.5	395	15.6	2300	90.6	16	35	1 1/4 in (F)	1.8	26	125 shower/body	33 shower/body
Combination shower, open ABS bowl, eye/face wash	EXP-SD-18G/75G	EXP-SD-18GS/75G	750	29.5	580	22.8	2300	90.6	16	35	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Combination shower, open stainless steel bowl, eye/face wash	EXP-SD-18G/85G	EXP-SD-18GS/85G	750	29.5	580	22.8	2300	90.6	16	35	1 1/4 in (F)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

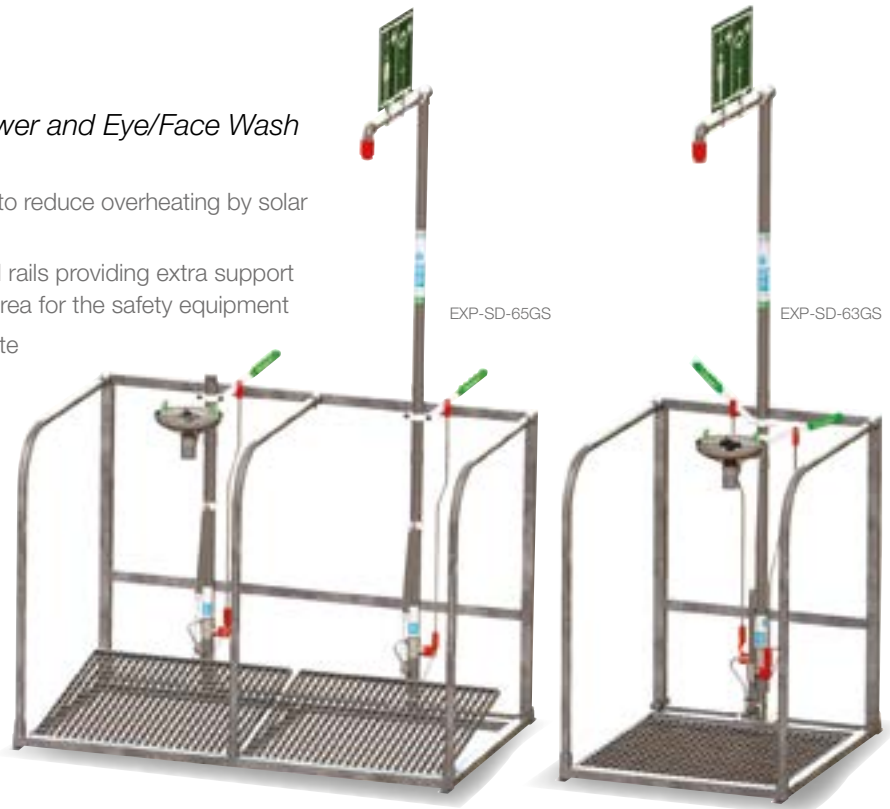


EXP-SD-63G

Self-Draining Emergency Safety Shower and Eye/Face Wash with Protective Frame

- Bleed pipes drain water from the pipework to reduce overheating by solar radiation
- Mounted on a platform complete with hand rails providing extra support to the casualty and creating a designated area for the safety equipment
- Available as a combination unit with separate eye/face wash unit - model **EXP-SD-65G**

See page 9 for the indoor models



Self Draining Emergency Safety Showers with Protective Frame	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nom Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Combination shower, hand activated	EXP-SD-63G	EXP-SD-63GS	1080	42.5	840	33.1	2300	90.6	105	231	1 1/4 in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Drench shower and eye/face wash, foot activated	EXP-SD-65G	EXP-SD-65GS	1080	42.5	1640	64.6	2300	90.6	115	254	1 1/4 in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

Optional fittings and accessories are available for all our products to help you make the most of your emergency safety shower. See page 28 for more details.

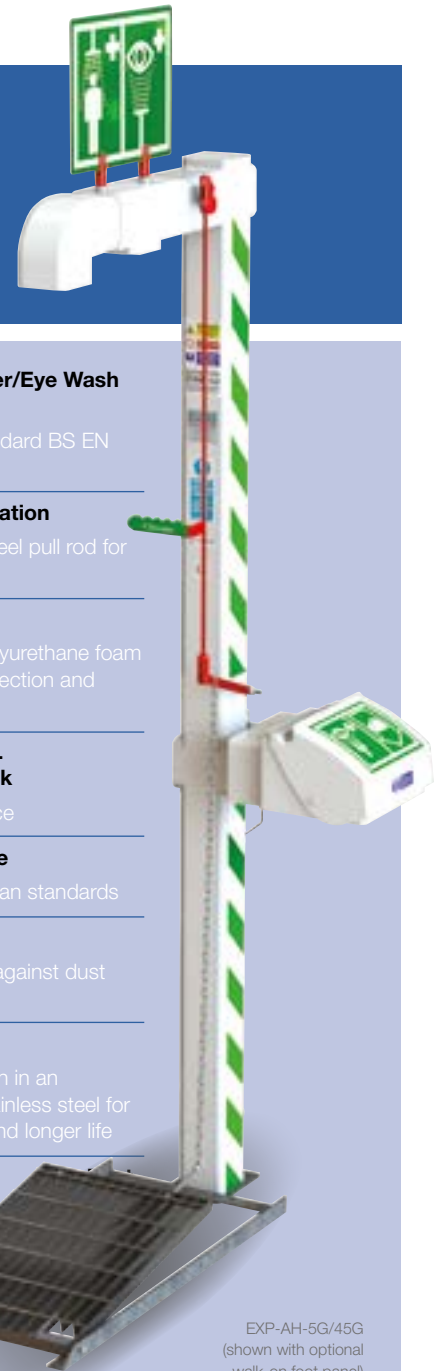


OUTDOOR EMERGENCY SAFETY SHOWERS

Freeze Protection for Cold Climates

This range of outdoor emergency safety showers is intended for use where there is a possibility of the water inside the shower freezing due to extreme cold climates.

All of the jacketed and heated models are suitable for use in hazardous areas zone 1 and zone 2 installations, as well as non-hazardous areas.



Pictogram Emergency Shower/Eye Wash Sign

Conforming to International Standard BS EN ISO 7010

Fast, Easy-Grip Shower Activation

With powder coated stainless steel pull rod for corrosion free longevity

Heated and Insulated

With polyethylene jacket and polyurethane foam insulation for improved frost protection and strength

Galvanised Mild Steel or 316L Stainless Steel Inner Pipework

For improved corrosion resistance

Hughes Safety Shower Nozzle

Conforming to ANSI and European standards

Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris

Hughes Safety Shower Valve

Ensures reliable, robust operation in an emergency. Made from 316L stainless steel for complete corrosion resistance and longer life

Choice of Walk-on Panel or Treadle

Enables automatic operation of the shower or eye wash

EXP-AH-5G/45G
(shown with optional walk-on foot panel)

Freeze Protected and Insulated	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nom Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Freeze Protected															
Drench shower, wall-mount, hazardous 110V, 50/60Hz	EXP-AH-2G(F1)	EXP-AH-2GS(F1)	924	36.4	230	9.1	650	25.6	12	26	1in (F)	1.5	22	76 shower	20 shower
Drench shower, wall-mount, hazardous 230V, 50/60Hz	EXP-AH-2G(F2)	EXP-AH-2GS(F2)	924	36.4	230	9.1	650	25.6	12	26	1in (F)	1.5	22	76 shower	20 shower
Drench shower, floor-mount, hazardous 110V, 50/60Hz	EXP-AH-5G(F1)	EXP-AH-5GS(F1)	890	35	210	8.3	2330	91.7	21	46	1 1/4 in (M)	1.5	22	76 shower	20 shower
Drench shower, floor-mount, hazardous 230V, 50/60Hz	EXP-AH-5G(F2)	EXP-AH-5GS(F2)	890	35	210	8.3	2330	91.7	21	46	1 1/4 in (M)	1.5	22	76 shower	20 shower
Drench shower, body spray, floor-mount, hazardous 110V, 50/60Hz	EXP-AH-5G/10G(F1)	EXP-AH-5GS/10G(F1)	890	35	320	12.6	2330	91.7	24	53	1 1/4 in (M)	1.8	26	125 shower/body	33 shower/body
Drench shower, body spray, floor-mount, hazardous 230V, 50/60Hz	EXP-AH-5G/10G(F2)	EXP-AH-5GS/10G(F2)	890	35	320	12.6	2330	91.7	24	53	1 1/4 in (M)	1.8	26	125 shower/body	33 shower/body
Combination shower, closed ABS bowl, floor-mount, hazardous 110V, 50/60Hz	EXP-AH-5G/45G(F1)	EXP-AH-5GS/45G(F1)	890	35	320	12.6	2330	91.7	25	55	1 1/4 in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Combination shower, closed ABS bowl, floor-mount, hazardous 230V, 50/60Hz	EXP-AH-5G/45G(F2)	EXP-AH-5GS/45G(F2)	890	35	320	12.6	2330	91.7	25	55	1 1/4 in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash



EXP-EJ-2G

Wall-Mounted Freeze Protected Emergency Safety Shower

Designed in accordance with ANSI and European standards, this pre-insulated, wall-mounted emergency safety shower is ideal for use where space is at a premium.

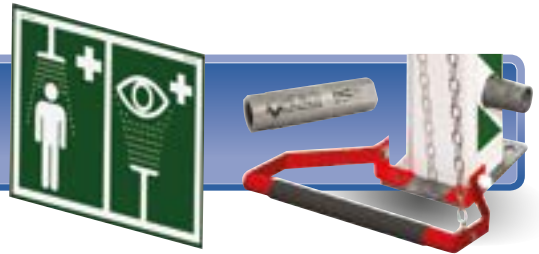
- Pre-insulated with polyurethane foam to provide maximum insulation
- Corrosion resistant polyethylene outer jacket
- Complete with a wall-mounting plate and alternative water inlet
- Trace tape heated models also available



EXP-EJ-2G

Freeze Protected and Insulated	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nom Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Insulated															
Drench shower, wall-mount	EXP-EJ-2G	EXP-EJ-2GS	924	36.4	230	9.1	650	25.6	11	24	1in (F)	1.5	22	76 shower	20 shower
Drench shower, floor-mount	EXP-EJ-5G	EXP-EJ-5GS	890	35	210	8.3	2330	91.7	19	42	1 1/4 in (M)	1.5	22	76 shower	20 shower
Drench shower, body spray, floor-mount	EXP-EJ-5G/10G	EXP-EJ-5GS/10G	890	35	320	12.6	2330	91.7	22	49	1 1/4 in (M)	1.8	26	125 shower/body	33 shower/body
Combination shower, closed ABS bowl, floor-mount	EXP-EJ-5G/45G	EXP-EJ-5GS/45G	890	35	320	12.6	2330	91.7	25	55	1 1/4 in (M)	2	29	76 shower 12 eye/face wash	20 shower 3 eye/face wash

Optional fittings and accessories are available for all our products to help you make the most of your emergency safety shower. See page 28 for more details.



See page 23 for freeze protected PPE Decontamination Showers



EMERGENCY TANK SHOWERS

From the arctic to the desert, emergency tank showers are effective in environments where tepid water, or a constant supply of water, cannot be guaranteed and in ambient temperatures below -25°C (-13°F) where it is impractical to use a standalone safety shower. Equally, if there is insufficient water pressure or inadequate flow rates these units are essential.

The product range suits different operating environments and climates - the outdoor models are heated and pre-insulated to prevent freezing while the indoor or hot climate versions are insulated but without heating to ensure a steady temperature is maintained.



External Water Level Indicator

Wide Selection of Optional Fittings

For remote and local alarm including audible and flashing beacons

Immersion Heater Fitted with Dual Temperature Thermostat

Prevents overheating and guarantee provision of tepid water

Temperature Gauge

Low Pressure Shower Rose

Delivers large quantities of water in an even pattern that is non-injurious to the user

Fibreglass Lid

With integral inspection hatch

Thermal Insulation

Assists in maintaining the water temperature in the tank to international standards in all climates

Fibreglass Outer Casing

Available in white, safety green or yellow

Frame

Galvanised or stainless steel frame built to California earthquake code

Activation and Testing

Instant activation by panic bar or optional foot panel, testing and flushing by external test handle

Optional Eye/Face Wash

Available to rent, contact
rentals@hughes-safety.com
for more information



Contact us today for more
information on our **chiller units**
for Hazardous & Non-Hazardous
environments



Designed to meet and exceed ANSI and European standards by providing tepid water for over 15 minutes at a guaranteed flow of 76 litres (20 US gallons) per minute, even when there is no mains water supply. Available in 350 or 1500 litre capacities, the emergency tank showers are activated using the panic bar or optional foot panel.

- Immersion heater or chiller units can be fitted to ensure the water is maintained at a tepid temperature regardless of the environment
- Available with either galvanised mild steel or stainless steel frames
- Optional eye/face wash unit can be mounted internally or externally



EXP-MH-14K/350



EXP-MH-14K/1500 with optional chiller unit

Emergency Tank Showers	Capacity		Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
	Litres	US Gals			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Freeze Protected																	
Hazardous 110V, 50/60Hz	350	92	EXP-MH-14K/350(F1)	EXP-MH-14KS/350(F1)	880	34.6	1540	60.6	3255	128.1	150	331	3/4 in (F)	0.5	8	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Hazardous 230V, 50/60Hz			EXP-MH-14K/350(F2)	EXP-MH-14KS/350(F2)													
Non-Hazardous 110V, 50/60Hz			EXP-MH-14K/350(N1)	EXP-MH-14KS/350(N1)													
Non-Hazardous 230V, 50/60Hz			EXP-MH-14K/350(N2)	EXP-MH-14KS/350(N2)													
Hazardous 110V, 50/60Hz	1500	396	EXP-MH-14K/1500(F1)	EXP-MH-14KS/1500(F1)	1495	58.9	1420	55.9	3746	147.5	340	750	3/4 in (F)	0.5	8	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Hazardous 230V, 50/60Hz			EXP-MH-14K/1500(F2)	EXP-MH-14KS/1500(F2)													
Non-Hazardous 110V, 50/60Hz			EXP-MH-14K/1500(N1)	EXP-MH-14KS/1500(N1)													
Non-Hazardous 230V, 50/60Hz			EXP-MH-14K/1500(N2)	EXP-MH-14KS/1500(N2)													
Insulated																	
Insulated only	350	92	EXP-J-14K/350	EXP-J-14KS/350	880	34.6	1540	60.6	3255	128.1	150	331	3/4 in (F)	0.5	8	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Insulated only	1500	396	EXP-J-14K/1500	EXP-J-14KS/1500	1495	58.9	1420	55.9	3746	147.5	340	750	3/4 in (F)	0.5	8	76 shower 12 eye/face wash	20 shower 3 eye/face wash

EXP-MH-14K/1500-P

Polar Emergency Tank Shower

Designed for severely cold climates, the polar tank shower incorporates a double-skinned fibreglass insulated cubicle to protect the user from the elements.

- Double swing push open doors provide unimpeded access and protection from the elements
- Integral immersion heater maintains a constant temperature
- Optional air heater to maintain the internal cubicle temperature
- Windows in the doors enable the casualty to be monitored whilst using the emergency safety shower in case assistance is required
- Available with an optional eye/face wash unit



EXP-MH-14K/1500-P

Emergency Tank Showers - Polar	Capacity		Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
	Litres	US Gals			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Hazardous 110V, 50/60Hz	1500	396	EXP-MH-14K/1500-P(F1)	EXP-MH-14KS/1500-P(F1)	1495	58.9	1420	55.9	3916	154	620	1367	3/4 in (F)	0.5	8	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Hazardous 230V, 50/60Hz			EXP-MH-14K/1500-P(F2)	EXP-MH-14KS/1500-P(F2)													
Non-Hazardous 110V, 50/60Hz			EXP-MH-14K/1500-P(N1)	EXP-MH-14KS/1500-P(N1)													
Non-Hazardous 230V, 50/60Hz			EXP-MH-14K/1500-P(N2)	EXP-MH-14KS/1500-P(N2)													

TEMPERATURE CONTROLLED EMERGENCY SAFETY SHOWERS

The temperature controlled showers and cubicles are intended for outdoor use in low ambient temperatures and are designed to remain on standby to deliver warm water for over 15 minutes conforming to European and ANSI standards. The showers in this range have an integral heated water tank which can also be used as a warm water source to feed other emergency shower units in the local vicinity.



Hughes Safety Shower Valve

Ensures reliable robust operation in an emergency. Made from 316L stainless steel for complete corrosion resistance and longer life

Covered Eye/Face wash

Protects the bowl and diffusers against dust and debris

15 Minutes Tepid Water Flushing

For effective decontamination in line with the flushing requirements demanded by current world standards

Hughes Safety Shower Nozzle

Conforming to ANSI and European standards

Internal 300, 450 or 550 Litre Heated and Insulated Tank

Provides tepid water to one or more showers for 15 minutes in line with international standards

Insulated Frame with Fibreglass Outer Casing

Available in white, safety green or yellow

316L Stainless Steel Inner Pipework

For improved corrosion resistance

Thermostatic Mixer Valves

For both shower and eye/face wash with safety shut-off in the event of cold water supply failure



STD-TCH-100K/11K

Temperature Controlled Emergency Safety Shower

Intended for outdoor and indoor use, the 300 litre tank and 3kW heater ensure delivery of tepid water for the ANSI recommended minimum period of 15 minutes.

- The high flow rate thermostatically controlled mixing valve ensures the temperature is maintained at a constant temperature between 20-30°C (68-86°F)
- Heated tank, overhead shower and front mounted eye/face wash with protective lid as standard
- The unit can also be used to supply heated water to other emergency showers via a second outlet

Temperature Controlled Safety Showers	Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Heated and Insulated (Outdoor)														
Hazardous 110V, 50/60Hz	STD-TCH-100KS/11K(F1)	1532	60.3	1262	49.7	2729	107.4	230	507	1 1/4 in (M)	2.2	32	76 shower 20 eye/face wash	20 shower 5.3 eye/face wash
Hazardous 230V, 50/60Hz	STD-TCH-100KS/11K(F2)													
Non-Hazardous 110V, 50/60Hz	STD-TCH-100KS/11K(N1)													
Non-Hazardous 230V, 50/60Hz	STD-TCH-100KS/11K(N2)													
Heated (Indoor)														
Hazardous 110V, 50/60Hz	STD-TC-100KS/45G(F1)	1532	60.3	1262	49.7	2729	107.4	230	507	1 1/4 in (M)	2.2	32	76 shower 20 eye/face wash	20 shower 5.3 eye/face wash
Hazardous 230V, 50/60Hz	STD-TC-100KS/45G(F2)													
Non-Hazardous 110V, 50/60Hz	STD-TC-100KS/45G(N1)													
Non-Hazardous 230V, 50/60Hz	STD-TC-100KS/45G(N2)													



Modular Polar Cubicle Shower

The stainless steel, double skinned, insulated frame makes the modular polar cubicle perfect for outdoor use in exposed freezing conditions.

- Frost protected and insulated emergency safety shower and eye/face wash complete with drain sump
- Push open doors give easy access and automatically close on entry, while the windows in the doors allow the casualty to be monitored
- Optional heated water tank can be connected to ensure a constant supply of tepid water for 15 minutes



Modular Polar Cubicle Shower

Modular Polar Cubicle Shower	Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Hazardous 110V, 50/60Hz	MPC-H-2GS/11KS(F1)	1320	52	1420	55.9	2815	110.8	410	904	1in (F)	2.2	32	76 shower 12 eye/face wash	20 shower 3 eye/face wash
Hazardous 230V, 50/60Hz	MPC-H-2GS/11KS(F2)													
Non-Hazardous 110V, 50/60Hz	MPC-H-2GS/11KS(N1)													
Non-Hazardous 230V, 50/60Hz	MPC-H-2GS/11KS(N2)													

Heated Water Tanks

Developed to supply tepid water to emergency safety showers and eye wash units located in extreme freezing conditions, Hughes' heated water tanks are available in 300, 450 and 500 litre capacities. They can also be used with any combination of safety shower/eye wash to guarantee the flushing fluid temperature remains within the guidelines set out in ANSI, European and other international standards.

Insulated Tank Available in 300 litre, 450 litre or 550 litre capacities	GRP Outer Cladding Easy to clean and supplied in white, yellow or safety green	Stainless Steel Frame Rectangular hollow section for strength. Available in 316L
Safety Shower Connection High flow rate thermostatic valve	Eye/Face Wash Connection Low flow rate thermostatic valve	Strainer Filters water and eliminate blockages
Polyurethane Insulation With aluminium foil covering	Pressure Relief Valve Vents tank in case of over pressure	Insulated Stainless Steel Pipework
Temperature Gauge	Flow Regulator	Pressure Regulator

Water Heaters for Emergency Safety Showers	Capacity		Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
	Litres	US Gals		mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Hazardous 110V, 50/60Hz	300	79	STD-WH-300(F1)	1100	43.3	900	35.4	2600	102.4	380	838	1 1/4 in (M)	2.2	32	76 shower 150 eye/face wash	20 shower 39.5 eye/face wash
Hazardous 230V, 50/60Hz			STD-WH-300(F2)													
Non-Hazardous 110V, 50/60Hz			STD-WH-300(N1)													
Non-Hazardous 230V, 50/60Hz			STD-WH-300(N2)													
Hazardous 110V, 50/60Hz	450	119	STD-WH-450(F1)	1100	43.3	900	35.4	2600	102.4	440	970	1 1/4 in (M)	2.2	32	76 shower 150 eye/face wash	20 shower 39.5 eye/face wash
Hazardous 230V, 50/60Hz			STD-WH-450(F2)													
Non-Hazardous 110V, 50/60Hz			STD-WH-450(N1)													
Non-Hazardous 230V, 50/60Hz			STD-WH-450(N2)													
Hazardous 110V, 50/60Hz	550	145	STD-WH-550(F1)	1200	47.2	1100	43.3	2420	95.3	490	1080	1 1/4 in (M)	2.2	32	76 shower 150 eye/face wash	20 shower 39.5 eye/face wash
Hazardous 230V, 50/60Hz			STD-WH-550(F2)													
Non-Hazardous 110V, 50/60Hz			STD-WH-550(N1)													
Non-Hazardous 230V, 50/60Hz			STD-WH-550(N2)													

MOBILE EMERGENCY SAFETY SHOWERS

Mobile emergency safety showers are essential for standby use in hazardous environments where no water supply is available, a constant supply of water cannot be relied upon or when existing safety showers are undergoing maintenance.



Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris

Hughes Safety Shower Valve

Made from 316L stainless steel for complete corrosion resistance and longer life

Optional 'A' Frame Towing Hitch

Enables the unit to be towed by any vehicle fitted with a standard tow ball

Optional Eye, Face and Body Shower

For direct efficient washing of the affected area or for smaller spillages



STD-J-40K/45G

STD-40K/45G

Mobile Self-Contained Emergency Safety Shower

Incorporating a polypropylene lined cylinder, a stainless steel frame and large diameter pneumatic tyres making it easy to manoeuvre by one person. For long distances or uneven surfaces an optional 'A' frame with towing hitch can be fitted.

- 114 litre capacity providing a constant flow of water for over 1½ minutes
- Wheel spacing can be altered allowing the unit to fit through standard door openings
- Fitted with an eye/face wash unit

Mobile Safety Showers	Capacity		Model No		Depth		Width		Height		Weight		Inlet Size BSP	Min Pressure		Water Flow	
	Litres	US Gals			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Unheated																	
-	114	30	STD-40K/45G	Non-Assembled	1110	43.7	740	29.1	1450	57.1	80	176	1/2 in Coupling	2	29	76 shower	20 shower
				Assembled	1365	53.7	740	29.1	2400	94.5				12 eye/face wash	3 eye/face wash		
Insulated Only																	
-	114	30	STD-J-40K/45G	Non-Assembled	1220	48	835	32.9	1450	57.1	95	209	1/2 in Coupling	2	29	76 shower	20 shower
				Assembled	1421	56	835	32.9	2400	94.5				12 eye/face wash	3 eye/face wash		
Trace Tape Heated and Insulated																	
Non-hazardous 110V, 50/60Hz	114	30	STD-H-40K/45G(N1)	Non-Assembled	1220	48	835	32.9	1450	57.1	97	214	1/2 in Coupling	2	29	76 shower	20 shower
				Assembled	1421	56	835	32.9	2400	94.5				12 eye/face wash	3 eye/face wash		
Non-hazardous 230V, 50/60Hz	114	30	STD-H-40K/45G(N2)	Non-Assembled	1220	48	835	32.9	1450	57.1	97	214	1/2 in Coupling	2	29	76 shower	20 shower
				Assembled	1421	56	835	32.9	2400	94.5				12 eye/face wash	3 eye/face wash		
Hazardous 110V, 50/60Hz	114	30	STD-H-40K/45G(F1)	Non-Assembled	1220	48	835	32.9	1450	57.1	97	214	1/2 in Coupling	2	29	76 shower	20 shower
				Assembled	1421	56	835	32.9	2400	94.5				12 eye/face wash	3 eye/face wash		
Hazardous 230V, 50/60Hz	114	30	STD-H-40K/45G(F2)	Non-Assembled	1220	48	835	32.9	1450	57.1	97	214	1/2 in Coupling	2	29	76 shower	20 shower
				Assembled	1421	56	835	32.9	2400	94.5				12 eye/face wash	3 eye/face wash		

All our mobile safety showers are available to rent. Contact rentals@hughes-safety.com for more information





Covered Eye/Face Wash

Protects the bowl and diffusers against dust and debris

Heavy Duty Galvanised Trailer Unit with Tow Hitch

Easy to move between remote locations

2000L Polyethylene Tank

Strong, durable and with a high resistance to chemical splashes

STD-MH-P-2000L

Mobile Self-Contained Emergency Safety Shower


Designed in accordance with ANSI and European standards, this 2000 litre capacity emergency safety shower provides a continuous flow of water for over 15 minutes.

- The tank can be filled with potable water by hose and then transported quickly and easily behind a suitable vehicle using the towing hitch provided
- Integral immersion heater, controlled by a dual safety thermostat, maintains the water at a tepid temperature
- Easily stored when not in use
- 1200 litre capacity model also available (STD-MH-P-1200L)



Mobile Safety Showers	Capacity		Model No		Depth		Width		Height		Weight		Water Flow	
	Litres	US Gals			mm	inch	mm	inch	mm	inch	kg	lbs	Litres per min	US Gals per min
Non-hazardous 110V, 50/60Hz	1200	317	STD-MH-P-1200L(N1)	Non-Assembled	3120	122.8	1530	60.2	1443	56.8	1460 full	3219 full	76 shower	20 shower
				Assembled	3556	140	1530	60.2	2770	109.1	260 empty	573 empty	12 eye/face wash	3 eye/face wash
Non-hazardous 230V, 50/60Hz	1200	317	STD-MH-P-1200L(N2)	Non-Assembled	3120	122.8	1530	60.2	1443	56.8	1460 full	3219 full	76 shower	20 shower
				Assembled	3556	140	1530	60.2	2770	109.1	260 empty	573 empty	12 eye/face wash	3 eye/face wash
Non-hazardous 110V, 50/60Hz	2000	528	STD-MH-P-2000L(N1)	Non-Assembled	3880	152.8	1760	69.3	1465	57.7	2460 full	5423 full	76 shower	20 shower
				Assembled	4157	163.7	1760	69.3	2889	113.7	460 empty	1014 empty	12 eye/face wash	3 eye/face wash
Non-hazardous 230V, 50/60Hz	2000	528	STD-MH-P-2000L(N2)	Non-Assembled	3880	152.8	1760	69.3	1465	57.7	2460 full	5423 full	76 shower	20 shower
				Assembled	4157	163.7	1760	69.3	2889	113.7	460 empty	1014 empty	12 eye/face wash	3 eye/face wash





Do you need an emergency
safety shower for a short
term contract?

Contact rentals@hughes-safety.com for more details

Model shown:
STD-40K/45G Mobile
Self-Contained Emergency
Safety Shower and Eye Wash

PPE DECONTAMINATION SHOWERS

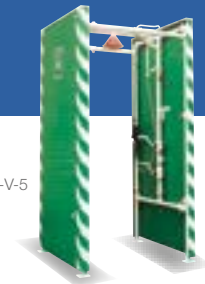
The PPE decontamination showers not only provide effective health and safety measures for the individual that are compliant to current legislation, but also preserve and prolong the effective lifetime use of costly personal protective equipment (PPE).

DEC-V-5

Two-Stage Decontamination Shower

The DEC-V-5 provides a two-stage decontamination process, incorporating a detergent inducing venturi feeding an overhead shower and hose brush, plus ten shower nozzles for the secondary wash down. Alternatively, the walk-through, self-draining **DEC-D-29** features multiple nozzles to assist with the decontamination process.

DEC-V-5



DEC-V-2

Decontamination Shower

- Wall-mounted PPE decontamination shower, ideal for use in clean areas typically found in the pharmaceutical industry and where space is at a premium
- A detergent inducing venturi feeds the overhead shower rose and the brush on a flexible hose for a full body, first-stage decontamination process
- Incorporates four shower nozzles for secondary wash down

DEC-V-2

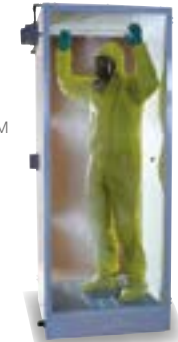


DEC-DS-6-M

Damping Shower

- Walk through decontamination cubicle with manual hand operation designed specifically for environments where there is a potential risk of contamination of protective clothing by airborne particles
- Delivers a fine water mist to thoroughly dampen full-body protective clothing
- Automatic operation also available, preventing the risk of depositing contaminants on operating devices within the cubicle

DEC-DS-6-M



PPE Decontamination Showers	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Two-stage shower with detergent application, freestanding, hand activated	DEC-V-5	DEC-V-5S	1300	51.2	1110	43.7	2400	94.5	160	353	1 1/2 in (F)	4	57	250	66
Multi-nozzle shower, hand activated	DEC-D-29	DEC-D-29S	1300	51.2	1110	43.7	2400	94.5	150	331	1 1/4 in (F)	4	57	250	66
Two-stage shower with detergent application, wall mounted, hand activated	DEC-V-2	-	900	35.4	890	35	1475	58.1	29	64	3/4 in (F)	2.8	40	60	16
Multi-nozzle shower, freestanding cubicle, hand activated	DEC-DS-6-M	-	1300	51.2	1110	43.7	2400	94.5	80	176.4	1/2 in (M)	2.8	40	8	2.1

Freeze Protected

These trace tape heated and pre-insulated PPE decontamination showers for outdoor use provide effective health and safety measures for personnel as well as prolonging the lifetime of costly PPE equipment.

- The **DEC-VH-5** provides a two-stage decontamination process with detergent application via overhead shower and hose brush followed by a secondary wash down with ten shower nozzles
- The walk-through, self-draining **DEC-DH-29** features multiple nozzles to assist with the decontamination process
- Both units can be easily sited by a fork lift truck when the location is of a temporary nature
- Suitable for use in hazardous areas



DEC-VH-5

DEC-DH-29

PPE Decontamination - Freeze Protected	Galvanised Model No	Stainless Steel Model No	Depth		Width		Height		Nominal Weight		Inlet Size BSP	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Two-stage shower with detergent application, hazardous 110V, 50/60Hz	DEC-VH-5(F1)	DEC-VH-5S(F1)	1300	51.2	1110	43.7	2400	94.5	170	375	1 1/2 in (F)	4	57	250	66
Two-stage shower with detergent application, hazardous 230V, 50/60Hz	DEC-VH-5(F2)	DEC-VH-5S(F2)	1300	51.2	1110	43.7	2400	94.5	170	375	1 1/2 in (F)	4	57	250	66
Multi-nozzle shower, hazardous 110V, 50/60Hz	DEC-DH-29(F1)	DEC-DH-29S(F1)	1300	51.2	1110	43.7	2400	94.5	160	353	1 1/4 in (F)	4	57	250	66
Multi-nozzle shower, hazardous 230V, 50/60Hz	DEC-DH-29(F2)	DEC-DH-29S(F2)	1300	51.2	1110	43.7	2400	94.5	160	353	1 1/4 in (F)	4	57	250	66

EMERGENCY RESPONSE SOLUTIONS



The Hughes range of emergency response equipment is suitable for use in case of accident, disaster or attack using chemical, nuclear or biological agents.

The decontamination showers remove contaminants from protective clothing prior to removal or the bare skin of casualties involved in an incident.

The HARD Shelters are a modular range to deal with any type of emergency in all climates and environments.

Portable Decontamination Equipment

PORTAflex 300/16E

Decontamination Shower

A 16 nozzle portable decontamination shower designed to be both lightweight and robust.

- Hose legs become rigid under pressure to give 360° decontamination
- Compact and rugged carrying case duals as an effective base platform
- Quickly deployed in less than a minute

PORTAflex 300/16E



PORTAflex CUPOLA

Inflatable Decontamination Shelter

Combined with the hose assembly from the PORTAflex 300, this inflatable shelter is used where contaminated water needs to be contained.

- Openings on two sides enables personnel to walk from the dirty to the clean area
- Fitted with replaceable inner lining with windows to allow observation of the decontamination process
- Openings contain the contaminated water and minimize airborne over-spray



PORTAflex CUPOLA

PORTAdec 1000

For decontamination of protective clothing or as a temporary emergency shower, the PORTAdec 1000 comprises a robust foldaway frame with integral hood, disposable side sheeting and sump.

- Easily erected and ready for use in just five minutes
- Simple pull rod handle operation activates the overhead shower and lower body jets
- Disposable fibreglass foot grating ensures the user is not exposed to the contaminated surplus water

PORTAdec 1000



Portable Decon Equipment	Model No		Depth		Width		Height		Weight		Inlet Size Coupling	Min Pressure		Water Flow	
			mm	inch	mm	inch	mm	inch	kg	lbs		kg/cm ² (bar g)	PSI	Litres per min	US Gals per min
Shower, 16-nozzle	PORTAflex 300 16E	Packed	190	7.5	500	19.7	770	30.3	25	55	2 1/2 in instantaneous	3	44	1750 max	462 max
		Assembled	1300	51.2	850	33.5	2480	97.6							
Inflatable shelter for PORTAflex 300	PORTAflex CUPOLA	Packed	500	19.7	600	23.6	1200	47.2	45	99	2 1/2 in instantaneous	3	44	1750 max	462 max
		Assembled	2200	86.6	2200	86.6	2900	114.2							
Shower, foldaway frame & integral hood	PORTAdec 1000	Packed	1700	66.9	500	19.7	300	11.8	35	77	1in Quick	3	44	30 max	7.9 max
		Assembled	1060	41.7	1060	41.7	2710	106.7							



Hughes Articulating Rapid Deployment (HARD) Shelter

The HARD shelters are versatile and robust one-piece shelters which are operational within just a few minutes. The range is suitable for use by emergency services, military, humanitarian relief and general purpose use, providing an ideal field hospital, casualty holding centre or protective enclosure for crime scenes during forensic examination.

- Easy to carry and erect by two people in less than 10 minutes, the shelters are available in 8, 16 and 30 square metre models
- Choice of outer covers and liner pods make the shelters infinitely adaptable
Where there's a need for extra space, two or more units can be connected together
- The insulated version is designed for use in extreme climates, and for hot environments an optional air conditioning system is offered



ERS-8-R

HARDshelters	Blue Model No	Colour Red Model No	Green Model No		Depth		Width		Height		Weight	
					mm	inch	mm	inch	mm	inch	kg	lbs
Floor area: 8 sq. m. (86 sq. ft.)	ERS-8-B	ERS-8-R	ERS-8-G	Packed	1900	75	300	12	300	12	45	99
				Assembled	2000	79	4000	157	2500	98	34	75
Floor area: 16 sq. m. (172 sq. ft.)	ERS-16-B	ERS-16-R	ERS-16-G	Packed	1900	75	450	18	450	18	71	157
				Assembled	4000	157	4000	157	2500	98	60	132
Floor area: 30 sq. m. (323 sq. ft.)	ERS-30-B	ERS-30-R	ERS-30-G	Packed*	2460	97	600	24	750	30	144	317
				Assembled	6100	240	5300	209	3350	132	124	273

*Note: When packed, the ERS 30 shelter system will be in three storage cases.



SPILL CONTAINMENT



Flexible Containment

For indoor and outdoor use, the flexible containment products capture anything from small leaks and drips to large scale spills up to 22,187 litres. Made of durable PVC coated fabric they are ideal for emergency use due to their compact design and portability.

Hazardous leaks and spills are a relentless challenge, not only from a personnel safety perspective but also in relation to the damaging effects on the environment which can lead to expensive fines from local authorities.

Good spill containment practices offer a number of benefits:

- Protects personnel and the environment
- Supports corporate and government sustainability initiatives
- Reclaiming spilled liquids is cost effective
- Increases efficiencies by keeping materials organised
- Complies to laws and avoids fines

Rigid-Lock QuickBerm®

Safe, drive-in spill containment for drums, IBC totes and tanks

- Durable EnGuard™ V modified PVC coated fabric withstands long-term UV exposure - great for outdoor use
- Single-piece construction - patented Rigid-Lock wall-support system integral to bund provides unobstructed work space.
- Quick and easy setup - no assembly required
- Patented rigid-lock supports collapse to allow easy access



Rigid-Lock QuickBerm®

Rigid-Lock QuickBerm	Capacity		Depth		Interior Width		Height		Depth		Folded*		Height		Nominal Weight	
	Litres	US Gals	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	lbs
Model 1115	662	175	1829	72	1219	48	305	12	610	24	610	24	127	5	9	20
Model 1116	890	235	2438	96	1219	48	305	12	610	24	610	24	152	6	11	24
Model 1117	1344	355	2438	96	1829	72	305	12	610	24	610	24	305	12	14	30
Model 1118	1798	475	2438	96	2438	96	305	12	660	26	660	26	305	12	14	36
Model 1119	2820	745	3048	120	3048	120	305	12	711	28	711	28	305	12	22	49
Model 1120	4069	1075	3658	144	3658	144	305	12	711	28	711	28	305	12	29	64
Model 1121	5432	1435	4267	192	3658	144	305	12	660	26	660	26	406	16	36	79
Model 1122	6795	1795	4267	240	3658	144	305	12	762	30	762	30	406	16	43	95
Model 1123	7230	1910	4267	192	4267	192	305	12	914	36	914	36	406	16	45	98
Model 1124	9047	2390	6096	240	4267	192	305	12	914	36	914	36	508	20	53	117
Model 1125	11318	2990	6096	240	6096	240	305	12	965	38	965	38	559	22	63	139

*Folded dimensions may vary.

Note (1): For exterior dimension, add 203mm (8in) to depth and length to account for support and hub.

Note (2): When selecting a bund size, allow 305mm (12in) at entry or exit for lowering and raising the wall.



Rigid-Lock QuickBerm® Lite

Portable, versatile containment bund deploys quickly for emergency spill response

- Leakproof, tough EnGuard™ I PVC coated fabric provides broad UV and chemical resistance that withstands repeated usage
- Patented Rigid-Lock wall supports collapse for easy access and maximize usable space
- Lightweight and compact for storage in trucks, emergency vehicles and spill kits



Rigid-Lock QuickBerm® Lite

Rigid-Lock QuickBerm Lite	Capacity		Depth		Interior Width		Height		Depth		Folded*		Height		Nominal Weight	
	Litres	US Gals	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	kg	lbs
Model 1126	299	79	1219	48	1219	48	203	8	279	11	203	8	127	5	5	11
Model 1127	451	119	1829	72	1219	48	203	8	279	11	203	8	152	6	7	14
Model 1128	602	159	2438	96	1219	48	203	8	330	13	203	8	178	7	8	18
Model 1129	1204	318	2438	96	2438	96	203	8	356	14	279	11	203	8	12	26
Model 1130	1507	398	3048	120	2438	96	203	8	406	16	305	12	254	8	14	30

*Folded dimensions may vary.

Note (1): For exterior dimension, add 203mm (8in) to depth and length to account for support and hub.

Note (2): When selecting a bund size, allow 203mm (8in) at entry or exit for lowering and raising the wall.



OPTIONAL FITTINGS AND ACCESSORIES

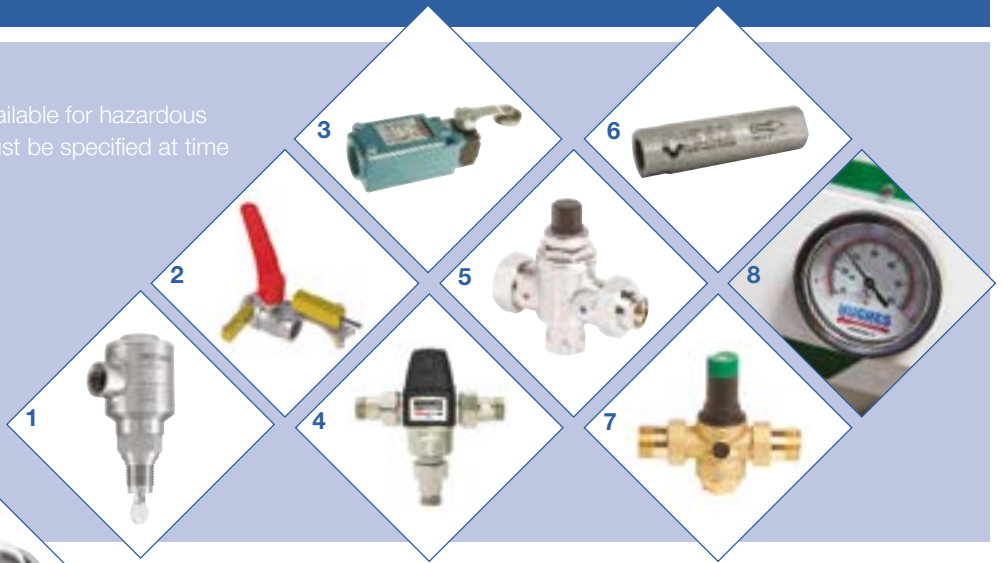
Optional fittings and accessories are available for all our products to help you make the most of your emergency safety shower. We understand that each site is different and each has its own requirements.

With a wide choice of matched accessories available, we can create a safety solution that is perfectly suited to your needs resulting in a safety shower that is easier to identify, more accessible and simpler to operate.

Instrumentation

All instrumentation options are available for hazardous and non-hazardous areas and must be specified at time of order.

- 1 Flow switch
- 2 Proximity switch
- 3 Limit switch
- 4 Thermostatic mixing valves
- 5 Scald protection valves
- 6 Freeze protection valves
- 7 Pressure regulating valves
- 8 Temperature gauge



Electrical and Alarm packages

All electrical options and alarm packages are available for hazardous and non-hazardous areas and must be specified at time of order.

- 9 Remote and local alarm with either audible and/or flashing beacons
- 10 Lights for indoor and outdoor indication/application
- 11 Non-flameproof water chiller for tank showers
- 12 Flameproof water chiller for tank showers



Mechanical Options

- 13 Emergency safety sign
- 14 Water treatment
- 15 Plastic shower rose
- 16 Stainless steel shower rose
- 17 Inlet and outlet (drain) flange
- 18 Heated and unheated cabinet
- 19 Y type strainer
- 20 Syphon dump valve
- 21 Strip screen
- 22 Modesty curtain
- 23 Foot treadle
- 24 Foot panel
- 25 Optiflex



If you don't see what you're looking for simply contact our experienced sales team on **+44 (0)161 430 6618** who will guide you through your requirements to ensure you have the perfect configured solution.

Engineered Solutions

Hughes Safety Showers is built on a strong foundation of design and engineering excellence. Our aim is to exceed customer expectations in everything we do by providing innovative, specialised industrial safety shower solutions to suit all applications, in all industry sectors.

Led by experts in their fields, Hughes has a strong track record in engineering, design, manufacture and business, bringing together a pool of knowledge and industry experience.

If you haven't found what you are looking for within the catalogue, we invite you to contact our Engineered Solutions team to discuss your needs in detail. Through innovation and collaboration with you, the customer, we can deliver the most effective solutions, whatever the requirement, wherever the project.

Services include

- Project planning - utilising a dedicated team of mechanical, electrical and instrumentation engineers
- Customised engineering and design using SolidWorks® CAD software
- Site survey and risk assessment
- Third party certification, inspection and testing to all relevant standards
- The complete package - design, manufacturing, installation, commissioning, training, after-sales service and extended warranties

As part of the greater Justrite Safety Group, we also have access to an extensive line of industrial safety products that include:

safety cabinets, safety cans, secondary spill containment (spill pallets, bunds), and outdoor chemical storage buildings.

Contact us today to learn more about Hughes and the resources available to you.

Tel: +44 (0)161 430 6618 or email: sales@hughes-safety.com

Rentals

Do you need an emergency safety shower for a short term contract or during downtime maintenance?

Do you require a solution for just a week, a month or a year without committing to purchasing a unit?

With the Hughes rental service our most popular emergency safety showers fitted with an eye/face wash unit can be hired for your short term project requirements.

For more information or a quote please contact us at: rentals@hughes-safety.com





HUGHES



a Justrite® Group Company

Head Office:

Hughes Safety Showers, Whitefield Road, Bredbury, Stockport SK6 2SS UK.

Email: sales@hughes-safety.com

Tel: +44 (0)161 430 6618

For details of our international offices and global distributors please visit www.hughes-safety.com

