The SAFETY SHOWERS CATALOG

emergency safety showers · eyewash · decontamination showers
Hughes Safety Showers is located in North America, supplying our comprehensive range of Emergency Safety Showers, Eyewash Units and Decontamination Equipment.

The Hughes name is well known throughout the world as a leader in quality, innovation and value for industrial safety showers and accessories. With many of our product lines assembled and customer service support from our North American headquarters in Ontario, Canada and Houston, Texas, Hughes Safety Showers is rapidly becoming the safety shower of choice in the Oil, Gas, Petrochemical and Pharmaceutical industries we serve throughout the world.

All Emergency Safety Shower and Eyewash products presented here were designed and tested in line with the comprehensive American Standard ANSI Z 358.1-2009 and are also CE marked in accordance with relevant EC (European Community) directives. All electrical equipment, intended for use in a potentially explosive or hazardous environment has been tested and certified either in accordance with ATEX, UL or CSA directives and manufacturing to the Quality Assurance Standard BS EN ISO9002 ensures that only products of the highest standards are produced.

Hughes prides itself on excellence in research and development and our advanced ranges are the results of many years at the forefront of safety equipment design. Hughes products are renowned for their reliability, robust build quality and effectiveness when needed. Our award winning design and engineering facilities and products have benefitted from over 40 years of continuous evolution in materials research and manufacturing techniques. But perhaps most importantly we have listened and learned from the needs of our customers and the demands of strict health and safety legislation.

Now Hughes products are trusted and distributed in over 130 countries and are approved suppliers to the global engineering contractors and world leading end user companies. Through direct sales or our trusted distributor network Hughes Safety Showers are deployed in many of the largest and most high profile installations throughout the world – a trusted partner in the safety and security of the workforce and business compliance.

Hughes is proud to be serving and protecting North American companies and their employees from chemical burns and reducing injuries throughout industry. This catalogue of products is indicative of our standard product ranges, but please ask our technical sales teams about your customized requirements.

Thank You

The Hughes North American Office
Email: info@hughes-safety.com
Web: www.hughes-safety.com

Our policy is one of continuous improvement and we reserve the right to change specification at any time without notice.
combating hazards

International legislation covering the installation, operation and maintenance of Emergency Safety Showers and Eye/Facewash equipment is becoming more stringent due to the increased use of chemicals or other substances hazardous to health. It is widely recognized that when an accident happens then the affected area must be flushed with clean, cool water for a period of 15 minutes to ensure all chemicals are removed. The casualty must then seek expert medical advice, and in any case of doubt they must go immediately to hospital with a suitable dressing covering the affected area.

Typical of such occurrences are the spilling, splashing or spraying of acids, caustics, or other dangerous or corrosive agents. Other common hazards are fire and explosion. Where flammable liquids are present there is a hazard of clothing becoming ignited, only the prompt use of an Emergency Shower or Eye/Facewash Unit prevents major injury or death.

For this reason it is imperative that the correct Emergency Equipment is purchased and that it is suitably located, properly installed and effectively maintained. To ensure that the manufacturers of this type of equipment all produce products that will be adequate when needed there are several standards that have been published. The American National Standard ANSI Z 358.1 is by far the most comprehensive, being first published in 1981 and subsequently revised in 1990, 1998, 2004 and 2009. There is a European Standard (EN 15154) for Laboratory Showers and Eyewash equipment. It must be noted and emphasized that the European Standard specifies lower flow rates for Laboratory Units than the American Standard does for Industrial Units. For this reason it is imperative that the lower flow rate Laboratory Showers are not installed in industrial applications as this could have disastrous consequences.
An extensive range of plumbed-in units to enable continuous flushing with clean cool water, complemented by portable units for use at the scene of a possible incident.

**STD-38G**
Portable Emergency Eye, Face and Body Shower unit. Incorporating an Optiflex Hand Shower with reinforced hose connected to a 14 liter (3.70 US Gallons) stainless steel cylinder. When pressurized to 8 bar via a Schrader valve this unit will deliver a copious quantity of water for nearly two minutes. Fitted with pressure gauge and dual action safety valve to prevent over pressurization and to allow user to vent the cylinder for cleaning and maintenance.

**Optional Fittings:**
- 3 meter length of spring coiled hose
- Eyesaline concentrate

**STD-28G**
Portable, handheld, Emergency Eyewash unit, incorporating a 9 liter (2.38 US Gallons) stainless steel cylinder with pressure gauge and eyewash diffuser on flexible hose. Capable of delivering a copious quantity of aerated water for two minutes. Available complete with wall cabinet if specified (see optional fittings below).

**Optional Fittings:**
- Sign for wall mounting
- Cabinet for wall mounting with sign and green & white safety stripes
- Eyesaline concentrate

**PUREFLOW 1000**
Fifteen minute self-contained, gravity fed Primary Eyewash Station. Capable of delivering 28.5 liters (7 US Gallons) of Eyesaline® solution from sealed cartridges at ambient temperature. The cartridges have a 24 month shelf life, thus reducing maintenance costs. Incorporating integral fluid reservoir to capture waste fluid, therefore eliminating a potential safety hazard. A ‘Service Immediately’ warning appears when the cartridges have been discharged. Unit comes complete with Wall Bracket. Shown with Universal Cart option. Cartridges not supplied with unit.

**Optional Fittings:**
- Pureflow® Fluid Cartridges (2 pack)
- Universal Cart
- Cleaning Kit

**PORTA STREAM II**
Fifteen minute self-contained, gravity fed Primary Eyewash Station. Capable of delivering 60 liters (15.85 US Gallons) of flushing solution at ambient temperature. Can be wall, table or cart mounted. Incorporates a lockable fill cap to reduce the risk of tampering with the solution. Includes Defend® Water Preservative and Wall Bracket.

**Optional Fittings:**
- Defend® Water Preservative (4 pack)
- Eyesaline® Concentrate (2 or 5 liters)
- Dust Cover
- Waste Fluid Disposal Cart
- Universal Cart
- Cleaning Kit

**OPTIFLEX 100**
Hand operated Eye, Face and Body Shower with unique lock-on facility. Supplied with a wall mounting bracket that incorporates a dust cover, a flexible 1.5 meter (59.05 inches) long reinforced hose, a non return valve and a flow regulator.

**Optional Fittings:**
- Table mounting kit
- 3 meter length of spring coiled hose
- Twin spray head (Optiflex 500)

**P400**
A portable self-contained eye wash unit providing 15 minutes of water flow. The P400 includes a retractable tray to protect against airborne contaminates, supplied with bracket for wall mounting.
**STD-45G**

“Unbreakable” Wall, Pedestal or Table Mounted Emergency Eye/Facewash Fountain with integral lid, aerated diffusers, flow regulator and self-adhesive sign. Pedestal version available in Galvanized or Stainless Steel.

Pedestal mounted model **STD-45G/P**

Table/Bench mounted model **STD-45G/T** (see page 17)

**Optional Fittings:**
- Optiflex Hand Shower
- Additional Fine Mesh Filter
- Treadle Foot Control
- Proximity Switch

**STD-45G**

Wall Mounted Emergency Eye/Facewash and Safety Sign. The eyewash attachment is on a flexible hose incorporating a handle, removable eyewash cup and dust cover.

**Optional Fittings:**
- Additional Fine Mesh Filter

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**STD-H-25K/P**

Pedestal Mounted Emergency Eyewash/Facewash Fountain, trace tape heated and pre-insulated. Suitable for outdoor use. Incorporating an integral lid connected to the water valve which automatically operates the unit when the lid is lifted. The lid also ensures that the bowl remains clean and free from contamination at all times and is fitted with a mirror and first-aid instructions. With additional eyewash diffuser on flexible hose to treat unconscious or disabled personnel. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Treadle Foot Control
- Proximity Switch
- Cubicle

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**STD-35G**

Wall Mounted Emergency Eyewash and Safety Sign. The eyewash attachment is on a flexible hose incorporating a handle, removable eyewash cup and dust cover.

**Optional Fittings:**
- Additional Fine Mesh Filter

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**STD-25K**

Wall or Pedestal Mounted Emergency Eyewash/Facewash Fountain incorporating an integral lid connected to the water valve to automatically operate the unit when the lid is lifted. The lid also ensures that the bowl remains clean and free from contamination at all times and is fitted with a mirror with first-aid instructions.

With additional eyewash diffuser on flexible hose to treat unconscious or disabled personnel.

Available in Galvanized or Stainless Steel.

Pedestal mounted model **STD-25K/P**

**Optional Fittings:**
- Treadle Foot Control
- Proximity Switch

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**Eyewash Specifications**

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<tr>
<th>Stainless Steel</th>
<th>Depth mm * inch</th>
<th>Width mm * inch</th>
<th>Height mm * inch</th>
<th>Weight kg</th>
<th>Inlet Size (mm * inch) NPT</th>
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<th>Water Flow liters per min</th>
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tank showers

A range of heavy duty Emergency Tank Showers, for use when warm water is required, or a constant supply of water cannot be guaranteed. These units are essential where there is a problem with insufficient water pressure or inadequate flow rate. The outdoor types are heated and pre-insulated to prevent freezing during conditions of frost, whereas the indoor or tropical versions are insulated but without heating, to ensure a steady temperature is maintained. Optional fittings are available to optimize the performance of the Tank Shower.

EXP-MH-14K/1200

- Sunshields (for hot environments)
- Level Switch
- Syphon Dump Valve
- Hand Held Eyebath Unit
- Shower Test Handle
- Eye/Facewash Fountain
- Drain Sump fitted with GRP panelling
### Tank Shower with Chiller
**EXP-J-14K/1200**
(With chiller for hot climates)

### Polar Tank Shower
**EXP-MH-14K/1200-POLAR**
(Insulated and heated for cold climates)

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<th>Width (mm/&quot; inch)</th>
<th>Height (mm/&quot; inch)</th>
<th>Weight (kg/lbs)</th>
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Indoor or Tropical models are denoted by the prefix -J- prior to the model number ie. EXP-J-14K/350
Stainless Steel models are denoted by the suffix "S" within the model number ie. EXP-MH-14KS/1200
The new Hughes Emergency Tank Shower incorporates a 2000 litre (530 US gallon) tank to deliver a guaranteed flow of water for over 20 minutes. The 2000 litre tank makes this an independent system without the need of piping, heating or mixing systems to comply with the 15 minute tepid water requirements of the ANSI standard.

The tank material is medium density polyethylene which is not prone to the problems of leaking experienced when storing static water in a stainless steel tank.

Our tank is insulated using high thermal efficiency polyurethane with silver foil lining to reduce heat loss or heat ingress due to conduction or radiation. This protects against frost damage in severe freezing conditions and also against external solar heating and high air ambient temperatures. The tank lid is also insulated and sealed to prevent against airborne contamination entering the tank.

To protect against external conditions, the Tank Shower is encased in GRP; a hard-wearing chemical resistant, durable weather-proof material, which is easily cleaned. An integral immersion heater, controlled by a dual thermostat with automatic safety cut out maintains the temperature of the water within the insulated tank.

The shower is activated when the casualty operates the panic bar and/or stands on the optional foot panel control.

All Hughes shower tanks are coated with BioStat self-sanitising technology, to effectively reduce bacterial growth on the inside of the tank walls.

Available with optional Eye/Facewash Fountain mounted internally to meet with ANSI Standard.

**Note:** The 2000 Litre (528 gallons) Tank Shower frame has been structurally tested Earthquake proof and has been designed to conform to the California Building Code 1998 Chapter 16, Division 1.

**Benefits**
- Suitable for extreme hot and cold climates
- Flow rate for simultaneous use of shower and eye/face wash to meet ANSI standard.
- Economical running costs due to low power consumption

**Optional Fittings:**
- Light and light Box
- Eye/facewash fountain
- Panel Foot Control
- Hand Held Eyebath Unit
- Level switch
- Syphon Dump Valve
- Visual
- Proximity Switch
- Shower Test Handle
- Sunshield
- Chillers and Cooling Coils
- Drain Stump
### Bio-Stat and Huw-san Benefits and Standards

- Non toxic
- Odorless
- Non-leaching can be used on food preparation surfaces (Bio-stat only)
- Meets BS EN ISO Standards
- Manufactured under EC Directives
- Strong chemical bonding process

### As part of the Hughes Safety Showers continuous improvement program we have introduced new measures in both the manufacture and servicing of our Safety Showers to control the growth and spread of bacteria. Bio-Stat is now applied to all Tank Shower inner lining as part of our hygiene and Infection Control protocols. When Bio-stat is applied to a surface it forms a Self Sanitizing Treatment (SST).

To help maintain and monitor the water quality within the Tank Showers between service periods as part of your required Legionella control, we now offer the Huwa-san TR range and test strips. Huwa-san is made up from Hydrogen Peroxide and a silver salt which are highly effective at removing biofilm and controlling Legionella. The silver breaks down the wall of the cell; the peroxide then kills the bacteria, making it superior to chlorine based technology and presents none of the hazards. Also, chlorine is bound by caustic soda and creates biofilm which can become a breeding ground for bacteria.

### Bio-Stat and Huw-san Benefits and Standards

- Non toxic
- Odorless
- Non-leaching can be used on food preparation surfaces (Bio-stat only)
- Meets BS EN ISO Standards
- Manufactured under EC Directives
- Strong chemical bonding process

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### Indoor or Tropical models are denoted by the prefix “J” prior to the model number ie. EXP-J-14K/160

Stainless Steel models are denoted by the suffix “S” within the model number ie. EXP-MH-14K/2000
Temperature Controlled Showers and Shower Cubicles

Temperature Controlled Showers and Shower Cubicles have been developed for use in cold climates where it is necessary to maintain a tepid showering temperature or provide a warm environment for showering.

**STD-TC-100K/11K**
The Temperature Controlled (TC) Emergency Safety Shower is intended for outdoor use where the water requires heating. It has a 300 liter (79.25 US Gallons) tank and 3kW heater and regardless of the ambient temperature will deliver tepid water for the ANSI recommended minimum period of 15 minutes. Water from the heated tank is mixed with the mains fed cold supply through a high flow rate thermostatically controlled valve to maintain a temperature of between 68-95°F.

In addition to delivering water at the required temperature through its own shower head, the TC unit can optionally supply heated water to other Emergency Showers via a second outlet from the tank. This means that several showers within an area can meet the temperature and duration criteria stipulated in the ANSI standard. A side mounted Eyewash/Facewash can be supplied.

A temperature controlled unit can be provided just to supply heated water to other shower and eyewash units.

**Optional Fittings:**
- Foot Panel for Shower
- Foot Treadle for Eyewash/Facewash
- Non Flameproof Light
- Zone 1 & 2 Light
- Light Box
- Alarms
- Heated Underground Extension Pipe
- Protective Frame
- Secondary Outlet

**Thermostatic Mixing Valves**

**TMV**
The TMV model blends hot and cold supply water to deliver tepid water (85°F) to multiple emergency showers and/or eyewash stations. Provides 60 gallons per minute of tepid water at 30 psi pressure drop. Built in safety features prevent scalding water delivery to the emergency equipment should the cold water supply be interrupted or the unit malfunctions.

**TMVE**
The TMVE model blends hot and cold supply water to deliver tepid water (85°F) to single emergency showers. Provides 25 gallons per minute of tepid water at 30 psi pressure drop. Built in safety features prevent scalding water delivery to the emergency equipment should the cold water supply be interrupted or the unit malfunctions.

**TMVEF**
The TMVEF model blends hot and cold supply water to deliver tepid water (85°F) to single eyewash stations. Provides 7 gallons per minute of tepid water at 30 psi pressure drop. Built in safety features prevent scalding water delivery to the emergency equipment should the cold water supply be interrupted or the unit malfunctions.

**TEMPERATURE CONTROLLED SHOWER CUBICLE (SC/POLAR/SUMP/SS/EW)**
The Temperature Controlled Shower Cubicle (SC/Polar/SUMP/SS/EW) is designed for outdoor use in exposed freezing conditions. Hot water storage (SC/Polar/450) is provided in a 450 liter (119 US gallons) insulated water tank, immersion heated with thermostat. Designed to deliver tepid water for the ANSI recommended 15 minutes. The cubicle is fitted with a thermostatically controlled air heater and is pre-insulated to help maintain a warm internal temperature.

Push open doors give unimpeded access and automatically close behind the casualty on entry. Windows in the doors enable the casualty to be monitored whilst using the shower which is imperative in case assistance is required. Hot water storage is also available in 300 liter (79 US gallons), 450 liter (118 US gallons) and 550 liter (145 US gallons) tanks.
Cubicles and Protective Frames have been designed for situations where an Emergency Shower needs its own floor space, particularly if space is at a premium. They protect against damage and prevent clutter around the Shower and Eyewash/Facewash and ensure accessibility in an emergency.

**CUBICLE WITH SUMP**

Heavy duty Shower Cubicle with an integral drain sump. Galvanized mild steel rectangular hollow section frame with green fiberglass panelling and hold down lugs. With self-adhesive pictogram ‘Shower’ and/or ‘Eye Wash’ signs and green and white safety stripes.

Size and orientation of drain outlet to suit customer requirements (2” NPT standard).

**Optional Fittings:**
- Semi-polished stainless steel frame
- White or yellow fiberglass panelling
- Clear polycarbonate panelling
- Stainless steel panelling
- Flexible PVC strip screens fitted to entrance
- Light Box
- Extra large Cubicles available to suit Eye/Facewash on side of shower facing forward

**PROTECTIVE FRAME**

Galvanized mild steel rectangular hollow section frame with foot grating optional foot type panel. Top of frame sheeted with green fiberglass sheet bearing green and white safety stripes and pictogram ‘Shower’ and ‘Eye Wash’ signs.

**Optional Fittings:**
- Semi-polished stainless steel frame
- White or yellow fiberglass panelling
- Panelling on two sides
- Panelling on three sides
- Stainless steel panelling
- Flexible PVC strip screens fitted to entrance and/or sides
- Light Box
- Extra large Frames available to suit Eye/Facewash on side of shower facing forward

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### Temperature Controlled Showers

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* All the above are available with roof for protection against the elements with increased cubicle Height depending on the Model number to be contained inside.

** Cubicle Sizes and options can vary to meet customer specification requirements.
An extensive range of Immersion Heated or Trace Tape Heated models operable in all ambient conditions. Of robust design and including integral light box and pictogram signs.

**STD-MH-5K/11K**

Premium Emergency Safety Shower, immersion heated and pre-insulated. With Eyewash/Facewash Fountain and additional eyewash diffuser on flexible hose to treat unconscious or disabled personnel. Available in Galvanized or Stainless Steel.

Trace Tape heated model - **STDH5K/11K**

**Optional Fittings:**
- Foot Treadle for Eyewash/Facewash
- Zone 1 & 2 Light
- Proximity Switches
- Heated Underground Extension Pipe
- Cubicle

**STD-MH-5K**

Premium Emergency Safety Shower, immersion heated and pre-insulated. As 5K/11K but without Eyewash/Facewash Fountain. Trace Tape heated model - **STD-H-5K**

**STD-MH-6K**

Premium Emergency Safety Shower with Eyewash, immersion heated and pre-insulated. The eyewash attachment is on a flexible hose and incorporates a handle, removable eyewash cup and dust cover. (Eyewash can be located on rear of unit if requested) Available in Galvanized or Stainless Steel.

Trace Tape heated model - **STD-H-6K**

**Optional Fittings:**
- Zone 1 & 2 Light
- Proximity Switches
- Heated Underground Extension Pipe
- Cubicle

**STD-H-1K**

Wall mounted Emergency Safety Shower unit with Eyewash attachment, trace tape heated and pre-insulated. The eyewash attachment is on a flexible hose and incorporates a handle, removable eyewash cup and dust cover. This unit also features a wall mounting plate and has an alternative water inlet. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Zone 1 & 2 Light
- Proximity Switches

**STD-H-2K**

Wall mounted Emergency Safety Shower unit, trace tape heated and pre-insulated. This unit also features a wall mounting plate and has an alternative water inlet. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Zone 1 & 2 Light
- Proximity Switch
**STD-MH-15K**
Premium Emergency Safety Shower with additional Body Spray, immersion heated and pre-insulated.
Available in Galvanized or Stainless Steel.
Trace Tape heated model - STD-H-15K

**OPTIONAL FITTINGS:**
- Foot Panel
- Zone 1 & 2 Light
- Proximity Switch
- Heated Underground Extension Pipe
- Cubicle

**STD-MH-17K**
Premium Emergency Safety Shower with additional Body Spray and Eyewash, immersion heated and pre-insulated. The Eyewash attachment is on a flexible hose and incorporates a handle, removable eyewash cup and dust cover.
Available in Galvanized or Stainless Steel.
Trace Tape heated model - STD-H-17K

**OPTIONAL FITTINGS:**
- Foot Panel
- Zone 1 & 2 Light
- Proximity Switches
- Heated Underground Extension Pipe
- Cubicle

---

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<th>Width mm / inch</th>
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<td>95</td>
<td>209.44</td>
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**PRODUCT INFO**
- Rotationally moulded unbreakable white polyethylene outer casing
- Integral Light Box
- Self-draining removable spray nozzles free from build-up of bacteria
- Heated versions for use in cold climates
- Insulated versions for use in hot climates
- Robust construction
- Wall mounted models
- Free standing models

**TECHNICAL DETAILS**
- Modular design
- Easy maintenance

**CHOICES**
- Available in Galvanized or Stainless Steel

Note: All above models available with insulation only (no heating) STD-J-(model No.)
outdoor emergency showers

Designed for use throughout industry, in all applications where there is a possibility of the water inside the shower freezing or overheating due to ambient temperatures.

**EXP-AH-2G**
Wall Mounted Emergency Safety Shower, trace tape heated and pre-insulated. Complete with a wall mounting plate and alternative water inlet. Available in Galvanized or Stainless Steel.

**EXP-EJ-2G** insulated only.

Optional Fittings:
- Light
- Light Box
- Proximity Switch

**EXP-AH-5G**
Emergency Safety Shower, trace tape heated and pre-insulated. Available in Galvanized or Stainless Steel.

**EXP-EJ-5G** insulated only.

Optional Fittings:
- Foot Panel or Treadle
- Light
- Light Box
- Proximity Switch
- Underground Extension Pipe
- Cubicle

**EXP-AH-45G/P**

Available in Galvanized or Stainless Steel.

**EXP-EJ-45G/P** insulated only.

Optional Fittings:
- Treadle Foot Control
- Proximity Switch
- Underground Extension Pipe
- Cubicle

**EXP-AH-5G/45G**
Emergency Safety Shower with Eye/Facewash Fountain, trace tape heated and pre-insulated. Available in Galvanized or Stainless Steel.

**EXP-EJ-5G/45G** insulated only.

Optional Fittings:
- Treadle Foot Control for Eye/Facewash
- Light
- Light Box
- Alarm
- Underground Extension Pipe
- Cubicle
EXP-AH-5G/34G
Emergency Safety Shower with Eye/Facewash Diffusers, trace tape heated and pre-insulated.
Available in Galvanized or Stainless Steel.
EXP-EJ-5G/34G insulated only.
**Optional Fittings:**
- Treadle Foot Control for Eye/Facewash
- Light
- Light Box
- Proximity Switches
- Underground Extension Pipe
- Cubicle

EXP-AH-5G/35G
Emergency Safety Shower with Eyewash on flexible hose, trace tape heated and pre-insulated.
Available in Galvanized or Stainless Steel.
EXP-EJ-5G/35G insulated only.
**Optional Fittings:**
- Treadle Foot Control for Eyewash
- Light
- Light Box
- Proximity Switches
- Underground Extension Pipe
- Cubicle

EXP-AH-5G/10G
Emergency Safety Shower with body spray, trace tape heated and pre-insulated.
Available in Galvanized or Stainless Steel.
EXP-EJ-5G/10G insulated only.
**Optional Fittings:**
- Foot Panel or Treadle
- Light
- Light Box
- Proximity Switch
- Underground Extension Pipe
- Cubicle

**PRODUCT INFO**
- Heated versions for use in cold climates
- Insulated versions for use in hot climates
- Arctic versions with extra heating for very cold climates
- Wall mounted models
- Free standing models

**TECHNICAL DETAILS**
- Modular design
- Easy maintenance
- Self-draining removable spray nozzles free from build up of bacteria
- Compact packaging
- Cost effective carriage

**CHOICES**
- Available in Galvanized or Stainless Steel

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### Galvanized vs Stainless Steel

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<td>76 / 20.08</td>
<td>76 / 20.08</td>
<td>76 / 20.08</td>
<td>76 / 20.08</td>
<td>76 / 20.08</td>
<td>76 / 20.08</td>
<td>76 / 20.08</td>
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**NOTE:** The above models are available with insulation only (no heating) - see description for model numbers.
A range of Unheated Emergency Safety Showers and Eyewash/Facewash models, designed for use throughout industry, in all applications not subject to the possibility of freezing or overheating, depending on local ambient conditions. All units are made up of separate modules to facilitate economic packing and freight.

**EXP-20G**
Unheated Emergency Safety Shower with additional body spray. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Optiflex Hand Shower
- Foot Panel or Treadle
- Light
- Proximity Switch
- Cubicle

**EXP-23G/H**
Unheated Wall Mounted Emergency Safety Shower with wall mounting plate. Available in Galvanized or Stainless Steel.

**Note:** Available without wall mounting plate - Model EXP-23G

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Optiflex Hand Shower
- Light
- Proximity Switch

**EXP-23G/V**
Unheated Ceiling Mounted Emergency Safety Shower with ceiling mounting plate. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Optiflex Hand Shower
- Proximity Switch

**EXP-18G/45G**
Unheated Emergency Safety Shower with Eye/Facewash Fountain. With low level water inlet. Available in Galvanized or Stainless Steel.

**Note:** Eye/Facewash orientation can be varied to suit clients’ requirements.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Optiflex Hand Shower
- Treadle for Eye/Facewash
- Light
- Proximity Switches
- Cubicle

**EXP-18G**
Unheated Emergency Safety Shower. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Optiflex Hand Shower
- Foot Panel or Treadle
- Light
- Proximity Switch
- Cubicle
**STD-MH-P-2000L**

The Mobile Self-Contained Emergency Safety Shower has a capacity of approximately 2000 liters and gives a constant flow of water for over 15 minutes. The 2000 liter green polyethylene tank incorporates an electric submersible pump which requires either a mains or generator-fed electricity supply. An integral immersion heater, controlled by a dual safety thermostat, maintains the water in the tank at a constant temperature. The tank can be filled with potable water by hose and then transported to location behind a suitable motor vehicle using the standard ball type towing hitch provided. It is designed to enable it to be easily stored when not being used. The tank is mounted on a heavy-duty galvanised mild steel frame and has four braked wheels fitted with standard trailer-type pneumatic tires. The unit is manufactured according to ANSI 2358.1-2009. Equipment should be installed within 10 seconds reach if accident occurs; no closer than 3 meters or further than 15 meters. The area around and underneath the shower should provide good drainage, especially if there is a possibility of the water freezing.

A 1200 Liter Bowser also available **STD-MH-P-1200L**

**EXP-18G/75G**

Unheated Emergency Safety Shower with Eye/Facewash Fountain. With high level water inlet and Eye/Facewash drained to floor level. Available in Galvanized or Stainless Steel.

**Note:** Eye/Facewash orientation can be varied to suit clients’ requirements. Available with Stainless Steel Eye/Facewash bowl EXP-18G/75G. **Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Treadle for Eye/Facewash
- Light
- Proximity Switches
- Cubicle

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### STD-40K

Mobile Emergency Safety Shower with a capacity of approx 114 liters (30.12 US Gallons) giving a constant flow of water for about 1 1/2 minutes. Mobile Emergency Safety Showers are for use when fixed units are not available or are temporarily out of commission.

**Note:** This shower must be supported by a plumbed-in Emergency Safety Shower or Eye/Facewash unit to be ANSI compliant.

**Optional Fittings:**
- Optiflex Hand Shower
- Eye/Facewash STD-45G
- A-Frame for towing

### EXP-18G/45G-T

As EXP-18G/45G but with Eye/Facewash drain piped to floor level and high level water inlet. Available in Galvanized or Stainless Steel. **Optional Fittings:**
- (as EXP-18G/45G)}
**Self-draining Emergency Showers**

For use outdoors in tropical climates. Fitted with self-draining valves to reduce overheating by solar radiation.

---

**EXP-SD-18G/45G**

Self-draining Emergency Safety Shower with 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. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Treadle for Eye/Facewash
- Light
- Proximity Switches
- Cubicle

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**EXP-SD-18G/25K**

Self-draining Emergency Safety Shower with Eyewash/Facewash Fountain. With additional eyewash diffuser on flexible hose to treat unconscious or disabled personnel. The shower and Eyewash/Facewash valves are situated directly above the water inlet and are complete with bleed pipes to drain water from the pipework to reduce overheating by solar radiation. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Treadle for Eyewash/Facewash
- Light
- Proximity Switches
- Cubicle

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**EXP-SD-20G**

Self-draining Emergency Safety Shower with additional body spray. The main 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. Available in Galvanized or Stainless Steel.

**Optional Fittings:**
- Plastic or Stainless Steel Shower Rose
- Foot Panel or Treadle
- Light
- Proximity Switch
- Cubicle

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**PRODUCT INFO**

- Self-draining shower valves
- Free standing models
- Separate modules
- Easy maintenance
- Compact packaging
- Cost effective carriage

**TECHNICAL DETAILS**

- Available with tubulars either of galvanized carbon steel protected by green powder coating, or alternatively of semi-polished stainless steel

**CHOICES**

- Body spray
- Eyewash and Facewash units

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**EXP-SD-18G**

As EXP-SD-20G but without body spray.
**Laboratory Range**

For use in laboratories and clean indoor areas where small spillages of dangerous chemicals or fire cause a hazard to employees.

**Lab Range**

- **LAB-33GS/34G**
  - Wall Mounted Combination Laboratory Shower and Eye/Facewash Fountain with wall mounting plates. The shower has a shower rose and is pull rod operated, whereas the eye/facewash has twin spray nozzles with dust covers and is push plate operated. The water jets lift off the dust covers when operated and the height of the jets is adjustable using an integral flow regulator valve.
  - Free standing floor mounted model LAB-18GS/34G
  - Optional Fittings:
    - Hose Mounted Optiflex Eye/Face & Body Shower
    - Proximity Switches

**STD-45G/T**

Table or Bench Mounted ‘unbreakable’ Eye/Facewash Fountain with integral lid, aerated diffusers, flow regulator and self-adhesive sign.

For Wall or Pedestal mounted models see page 5.

- Optional Fittings:
  - Additional Fine Mesh Filter
  - Proximity Switch

**LAB-23GS/H**

Wall Mounted Laboratory Shower with shower rose and wall mounting plate.

- Note: Available without wall mounting plate - Model LAB-23GS
- Optional Fittings:
  - Hose Mounted Optiflex Eye/Face & Body Shower
  - Proximity Switch

**LAB-23GS/V**

Ceiling Mounted Laboratory Shower with shower rose and ceiling flange.

- Note: Made to measure depending on ceiling cavity dimensions.
- Optional Fittings:
  - Proximity Switch
  - Ceiling Mounting Kit

**LAB-85GS/T**

Table or Bench Mounted Eye/Facewash Fountain with flush fitting bowl and twin spray nozzles fitted with dust covers. The water jets lift off the dust covers when operated and the height of the jets is adjustable using a flow regulator valve.

- Push plate operated.
- Wall mounted model LAB-85GS
- Pedestal mounted model LAB-85GS/P
- Optional Fittings:
  - Additional Fine Mesh Filter
  - Proximity Switch

**LAB-33GS/34G**

Galvanized Stainless Steel Depth Width Height Weight Inlet Size Min. Pressure Water Flow

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<th>Width mm</th>
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<th>lbs</th>
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<td>LAB-23G/H</td>
<td>LAB-23GS/H</td>
<td>770</td>
<td>30.31</td>
<td>260</td>
<td>10.24</td>
<td>210</td>
<td>9.45</td>
<td>3.5</td>
<td>7.72</td>
<td>1&quot;</td>
<td>1.5</td>
<td>21.34</td>
<td>76</td>
<td>20.08</td>
</tr>
<tr>
<td>LAB-23G/V</td>
<td>LAB-23GS/V</td>
<td>260</td>
<td>10.24</td>
<td>300</td>
<td>11.81</td>
<td>275</td>
<td>10.83</td>
<td>2.5</td>
<td>5.51</td>
<td>1&quot;</td>
<td>1.5</td>
<td>21.34</td>
<td>76</td>
<td>20.08</td>
</tr>
<tr>
<td>LAB-33G/34G</td>
<td>LAB-33GS/34G</td>
<td>770</td>
<td>30.31</td>
<td>260</td>
<td>10.24</td>
<td>1400</td>
<td>55.12</td>
<td>9</td>
<td>19.84</td>
<td>1&quot;</td>
<td>2</td>
<td>28.45</td>
<td>76</td>
<td>20.08</td>
</tr>
<tr>
<td>-</td>
<td>LAB-85GS/T</td>
<td>275</td>
<td>10.83</td>
<td>400</td>
<td>15.75</td>
<td>160</td>
<td>9.30</td>
<td>2.5</td>
<td>5.51</td>
<td>3/8&quot;</td>
<td>2</td>
<td>28.45</td>
<td>12</td>
<td>3.17</td>
</tr>
<tr>
<td>STD-45G/T</td>
<td></td>
<td>265</td>
<td>10.43</td>
<td>540</td>
<td>13.39</td>
<td>300</td>
<td>11.81</td>
<td>3.5</td>
<td>7.72</td>
<td>15mm or 1/2&quot;</td>
<td>2</td>
<td>28.45</td>
<td>20</td>
<td>5.28</td>
</tr>
</tbody>
</table>

**PRODUCT INFO**

- Unheated models for indoor use
- Wall, ceiling or floor mounted models
- Compact packaging
- Cost effective carriage

**TECHNICAL DETAILS**

- Powder coated stainless steel shower roses and Eye/Facewash bowls
- Ground welds on stainless steel models

**CHOICES**

- Body spray hand shower
- Eye/Facewash unit
- Color
- Powder coated stainless steel pipework (with ‘S’ suffix)
- Painted galvanized carbon steel pipework (without ‘S’ suffix)
A selection of Decontamination Showers used for the effective decontamination of Personal Protective Equipment.

**DEC-V-5**
Two stage Decontamination Shower with detergent application followed by wash down shower action. Incorporating a detergent inducing venturi feeding an overhead shower rose and hose brush, and 10 shower nozzles for the secondary wash down. With green fiberglass panelling as standard.
Available with Stainless Steel pipework DEC-V-5S.

*Optional Fittings:*
- Drain Sump
- Flexible PVC strip screens fitted to entrance
- 38mm lay-flat delivery hose
- Galvanized painted panelling
- Stainless steel panelling

**DEC-V-1**
Wall mounted Decontamination Shower with venturi detergent inducer. With tubulars manufactured from stainless steel milk tubing. For use in clean areas typically found in the pharmaceutical industry.

**DEC-V-2**
Wall mounted Decontamination Shower with venturi detergent inducer. With tubulars manufactured from stainless steel standard tubing.

**DEC-V-3**
Wall mounted Decontamination Shower with venturi detergent inducer. With tubulars manufactured from galvanized and powder coated carbon steel tubing.

**DEC-D-29**
 Basically similar to the Venturi Shower with green fiberglass panelling, but does not incorporate the venturi detergent inducer.
Available with Stainless Steel pipework DEC-D-29S.

*Optional Fittings:*
- Drain Sump
- Flexible PVC strip screens fitted to entrance
- 38mm lay-flat delivery hose
- Galvanized painted panelling
- Stainless steel panelling

When the location is of a temporary nature these units can be easily sited by Fork Lift Truck and connected to the water main by using 38mm lay-flat delivery hose.
**PRODUCT INFO**

Three basic models:

**STD-SD-32K** - a simple Emergency Shower with overhead spray and optional body spray.

**STD-SD-31K** - a simple Decontamination Shower with a multi-nozzle spray system.

**STD-SD-31K/V** a two stage Decontamination Unit incorporating a detergent inducer.

**OPTIONAL FITTINGS**
- Body Spray (32K only)
- Eye/Facewash STD-45G
- Optiflex Hand Shower
- Panel Foot Control (not 31K/V)
- Strip Screens
- Shower Door
- Light
- Proximity Switches
- Brush on hose (31K/V only)

---

### Cubicle Showers

These cubicle models are ideal in situations where a shower needs to be totally enclosed, particularly if space is at a premium or where a shower requires its own designated area due to clutter. Also very popular where it is imperative that there is no overspray of water outside the shower area.

<table>
<thead>
<tr>
<th>Galvanized</th>
<th>Stainless Steel</th>
<th>Depth (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Weight (kg)</th>
<th>Inlet Size (mm)</th>
<th>Outlet Size (mm)</th>
<th>Min. Pressure (bar)</th>
<th>Water Flow (liters/min)</th>
<th>Water Flow (US Gallons/min)</th>
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</thead>
<tbody>
<tr>
<td>PPE Decontamination Showers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DEC-V5</td>
<td>DEC-V5S</td>
<td>1110</td>
<td>36.22</td>
<td>1300</td>
<td>94.9</td>
<td>160</td>
<td>1 1/4”</td>
<td>-</td>
<td>4</td>
<td>56.89</td>
</tr>
<tr>
<td>DEC-V29</td>
<td>DEC-V29S</td>
<td>1110</td>
<td>36.22</td>
<td>1300</td>
<td>94.9</td>
<td>150</td>
<td>1 1/4”</td>
<td>-</td>
<td>4</td>
<td>56.89</td>
</tr>
<tr>
<td>-</td>
<td>DEC-V1</td>
<td>920</td>
<td>36.22</td>
<td>900</td>
<td>35.4</td>
<td>1540</td>
<td>60.6</td>
<td>20</td>
<td>44.89</td>
<td>1/4”</td>
</tr>
<tr>
<td>-</td>
<td>DEC-V2</td>
<td>920</td>
<td>36.22</td>
<td>900</td>
<td>35.4</td>
<td>1540</td>
<td>60.6</td>
<td>20</td>
<td>44.89</td>
<td>1/4”</td>
</tr>
<tr>
<td>DEC-V3</td>
<td>-</td>
<td>920</td>
<td>36.22</td>
<td>900</td>
<td>35.4</td>
<td>1540</td>
<td>60.6</td>
<td>20</td>
<td>44.89</td>
<td>1/4”</td>
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</tbody>
</table>

**Cubicle Showers**

<table>
<thead>
<tr>
<th>Galvanized</th>
<th>Stainless Steel</th>
<th>Depth (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
<th>Weight (kg)</th>
<th>Inlet Size (mm)</th>
<th>Outlet Size (mm)</th>
<th>Min. Pressure (bar)</th>
<th>Water Flow (liters/min)</th>
<th>Water Flow (US Gallons/min)</th>
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</thead>
<tbody>
<tr>
<td>STD-SD32K</td>
<td>-</td>
<td>980</td>
<td>36.58</td>
<td>900</td>
<td>35.4</td>
<td>2400</td>
<td>94.9</td>
<td>150</td>
<td>330.69</td>
<td>1”</td>
</tr>
<tr>
<td>STD-SD31K</td>
<td>-</td>
<td>980</td>
<td>36.58</td>
<td>900</td>
<td>35.4</td>
<td>2400</td>
<td>94.9</td>
<td>150</td>
<td>330.69</td>
<td>1”</td>
</tr>
<tr>
<td>STD-SD31K/V</td>
<td>-</td>
<td>980</td>
<td>36.58</td>
<td>900</td>
<td>35.4</td>
<td>2400</td>
<td>94.9</td>
<td>150</td>
<td>330.69</td>
<td>1”</td>
</tr>
</tbody>
</table>
With the increasing occurrence of chemical spillages and threats involving all types of Hazardous chemicals the International Emergency Services call on the PORTAflex® range of decontamination showers to clean or neutralise there protective suits. These NATO approved showers play there part on reducing the risk from the contaminated concentrate by dilution neutralization or by containment. The PORTAflex® range of products are designed to be robust and rapidly deployed by one man at the site of any incident.

PORTAflex 300

A multi-nozzle Portable Decontamination Shower designed to be both lightweight and robust. Can be quickly deployed when needed in cases of major Chemical, Biological and Nuclear incident. With 'unbreakable' hose legs that become rigid under pressure to give a thorough 360° decontamination to the person or object being decontaminated.

Optional Fittings:
- Number of nozzles
- Nozzle sizes
- Water inlet connection type
- CUPOLA

PORTAflex 75

An economically priced unit which in serious accidents serves as a primary or front line safeguard until such time as a major Decontamination Shower is brought to the scene or is made available. Alternatively, this primary unit may be adequate for minor incidents or where the degree of contamination is not great.
PORTAdec 1000
A Portable Shower used to decontaminate protective clothing, or as a temporary Emergency Shower to wash chemicals from the skin. Stored in a heavy duty ‘hold-all’, it can be erected and ready for use in minutes. The unit comprises a robust foldaway frame with integral hood, disposable side sheeting and sump. The sump incorporates a disposable fibreglass foot grating to ensure the user is not standing in the contaminated wash-off water.

PORTAflex CUPOLA
An inflatable Decontamination Shelter used in conjunction with the hose assembly from a PORTAflex 300. Used to contain the contaminated water and eliminate airborne overspray. Fitted with replaceable inner lining, which has windows on two opposite sides to enable the decontamination process to be observed while openings on the other two sides enable personnel to walk through from the dirty area to the clean area. The openings are fitted with drop down splash flaps to eliminate overspray.

<table>
<thead>
<tr>
<th>Decontamination Showers</th>
<th>Depth</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
<th>Inlet Size</th>
<th>Assembly Time</th>
<th>Water Flow</th>
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<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>kg</td>
<td>NPT</td>
<td></td>
<td>liters</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>mm x inch</td>
<td></td>
<td>per min</td>
</tr>
<tr>
<td></td>
<td></td>
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<td></td>
<td>NPT</td>
<td></td>
<td>US Gallons</td>
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<tr>
<td>PORTAflex 75</td>
<td>750*</td>
<td>30.31</td>
<td>19.69</td>
<td>24</td>
<td>15.76</td>
<td>less than 30 seconds</td>
<td>750</td>
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<td></td>
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<td>21/2&quot;</td>
<td></td>
<td>198.13</td>
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<tr>
<td>PORTAflex 300</td>
<td>770*</td>
<td>30.31</td>
<td>19.69</td>
<td>24</td>
<td>21/2&quot;</td>
<td>less than 45 seconds</td>
<td>1750</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>21/2&quot;</td>
<td></td>
<td>462.30</td>
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<td>PORTAflex CUPOLA</td>
<td>900*</td>
<td>35.43</td>
<td>23.6</td>
<td>45</td>
<td>35</td>
<td>less than 3 minutes</td>
<td>75 to 1750</td>
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<td></td>
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<td></td>
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<td>21/2&quot;</td>
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<td>19.81 to 462.30</td>
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<td>69.83</td>
<td>35</td>
<td>1&quot;</td>
<td>less than 7 minutes</td>
<td>15 to 30</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
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</table>

*packed size
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