



**FLOWTRONIX (FT)**



# **EYEWASH AND SAFETY SHOWERS**



Founded in 1990, **FLOWTRONIX (FT)** is a leading Manufacturer, Stockiest, Distributor and Supplier of the complete range of high quality Personal Protective Equipment (PPE) and safety solutions. We provide a diverse product portfolio for consolidated safety purchasing to our strategic end user clients, distribute products and services through our largest integrated network of resellers, retail stores and distribution centers.



## Personal Protective Equipment (PPE)

FT offers a full range of safety solutions for your professional needs. We offer high quality personal protective equipments which guarantee protection against wide range of risks associated with high degree of comfort for our users. We supply our products to all industrial sectors that need protective equipment for their manpower against all kinds of occupational hazards. FT work towards by implementing a total "Head-to-Toe" safety concept to the HSE standards by providing authentic, environment friendly and quality Personal Protective Equipment.

## **FT** SAFETY FIRST AT EVERY WORKPLACE

Serious injury or death in the workplace changes lives forever - for the families, friends, co-workers, employer and communities. That is why it is very important to apply Safety First philosophy in every workplace. Effective health and safety in your workplace can help keeping your employees happy and productive, at the same time reduces the human and business costs of injuries.

EYEWASH AND SAFETY SHOWERS

It's all about water flow rate  
**76 litres**  
 per minute  
 It's all about **your safety**

ANSI

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

### Why Choose our Hughes Safety Showers?

When choosing safety equipment for your workplace, whether you're operating from a single manufacturing, processing facility or a globally active Engineering Primary Contractor in the oil and gas or petrochemical sector, your top priority is ensuring that the emergency safety equipment used in hazardous environments is of high and proven quality and within budget for your development. Hughes has always focused on putting the safety of your workplace first, because we know that you do too.



## INNOVATION AND DEVELOPMENT OF EYEWASH AND SAFETY SHOWERS

### Innovation in Safety Design

Product innovation and engineering excellence has always played a critical role to us. A dedicated Research and Development team design and develop new, innovative products and improve the effectiveness of existing products and components.

We understood the practicalities of operating showers in challenging working conditions, and, most notably, we knew there was nothing on the market that came even close to meeting our design aspirations.

By listening to and observing the needs and changes of the varied markets we serve, including; oil, gas, petrochemical, pharmaceutical, food production and renewable energies, we are able to develop products that keep pace with the demands of industry.

The extended development of our hugely successful Tank Showers to include flameproof options for use in fire hazard areas and the addition of chiller units has made Hughes Tank Showers the world's first choice in extremely hot desert temperatures.

### Did you know?

Hughes Safety Showers was selected by a Saudi Arabian mining company to design and manufacture a centralized chiller unit to supply Emergency Safety Showers and Eye wash equipment located within a Zone 1 hazardous area. The chiller unit itself is located outside this area and the water supplied through a 3 km long insulated ring main.



# HUGHES



## SAFETY-SHOWERS

### The Most Comprehensive Safety Shower Range in the World

Hughes Safety Showers is Europe's largest manufacturer of emergency safety showers, eyebaths and decontamination equipment.

Hughes Safety Showers supplied industry worldwide for more than 40 years and built a reputation for excellent design, stringent quality standards and unrivaled customer service and support. Research is at the heart of the company's product development program ensuring that customers always have access to the most effective methods of decontamination.

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# EYEWASH AND SAFETY SHOWERS



EYEWASH AND SAFETY SHOWERS



## PORTABLE EMERGENCY EYEBATH

Article No: STD-28G

### Specifications & Features:

- Unheated Portable Emergency eyebath, incorporating a stainless steel cylinder with pressure gauge and hand-held eyebath diffuser on flexible hose.
- Cylinder contains 11 litres of water when fully charged.
- Designed to give a gentle flow of water for a period of over 2 minutes
- Cylinder incorporates a pressure gauge and is pressurised to 6 bar via a standard tyre valve.
- Optional fittings available:
  - Eyewash Sign, Wall Mounted Cabinets, Defend® Water Preservative, Eyewash Station Cleaning Kit

## PORTABLE EMERGENCY SHOWER

Article No: STD-38G

### Specifications & Features:

- Unheated Portable Emergency Eye, Face & Body Shower, has stainless steel cylinder with pressure gauge, safety valve & Optiflex, a hand-held Eye, Face and Body wash.
- Contains 15 litres of water when fully charged.
- Designed to deliver spray of water for a period of 2 minutes
- Incorporates a pressure gauge and is pressurised to 6 bar via standard tyre valve.
- Has a dual action safety valve set at approximately 8 bar which prevents over pressurisation and allows the user to vent the air
- Optional fittings available

## EMERGENCY EYEBATH AND FACEWASH



### Additional Product Information

|                                    |                               |
|------------------------------------|-------------------------------|
| Cylinder Material: Stainless Steel | Cylinder Capacity: 11 Litres  |
| Operation Duration: 2 minutes      | Depth: 180 mm                 |
| Width: 180 mm                      | Height: 675 mm                |
| Weight: 15kg full, 4kg empty       | Water Flow: 6 Litres per min. |



### Additional Product Information

|                                    |                               |
|------------------------------------|-------------------------------|
| Cylinder Material: Stainless Steel | Cylinder Capacity: 15 Litres  |
| Operation Duration: 3 minutes      | Depth: 242 mm                 |
| Width: 267 mm                      | Height: 820 mm                |
| Weight: 20kg full, 5kg empty       | Water Flow: 6 Litres per min. |

## WALL/PEDESTAL MOUNTED EMERGENCY EYE OR FACE FOUNTAIN

- Specifications & Features:**
- Designed in accordance with ANSI and EU guidelines
  - Incorporates bowl, aerated diffusers and flow regulator
  - Has twin spray nozzles with dust covers and is push plate operated.
  - Eyewash diffusers fitted with fine mesh strainers and individual flow controllers. Designed to give gentle flow of aerated water.
  - Water jets lift off the dust covers when operated
  - Choice of optional components

### Hughes Ball Valve

- Stainless steel construction to cope with the harshest atmospheres
- Low operating torque designed for ease of operation
- Tested & witnessed by independent test house specialist



Art No: STD-75G



Art No: STD-85G



Art No: STD-75G/P



Art No: STD-85G/P

EYEWASH AND SAFETY SHOWERS

| Additional Product Information               |                                |
|--|--------------------------------|
| Wash Bowl: Stainless Steel (85G) - ABS (75G) | Depth: 400 mm                  |
| Width: 430 mm                                | Height: 290 mm                 |
| Nominal Weight: 4 kg                         | Inlet Size: 1/2 in (F) BSP     |
| Min Pressure: 2 kg/cm2                       | Water Flow: 12 Litres per min. |



## WALL OR PEDESTAL MOUNTED FOUNTAIN

Article No: STD-45G/T

### Specifications & Features:

- Eye / facewash has high flow rate aerated diffusers for more improved washing action to the eyes, face and hands & incorporates an integral lid connected to the water valve for automatic operation when the lid is pulled down.
- The lid also ensures that the bowl remains clean and free from any contamination at all times.
- The eye wash diffusers are fitted with fine mesh strainers and a flow controller and are designed to give a gentle flow of aerated water.
- Optional fittings available
- Article Nos.:
  - STD-45G/T - Table/Bench mounted
  - STD-45G/P & 45GS/P - Pedestal mounted
 (available in Galvanised Mild Steel or Stainless Steel)



Art No: STD-45G/T



Art No: STD-45G/P



Art No: STD-45S/P

### Additional Product Information

|   |                                |
|---|--------------------------------|
| Eye/Facewash Bowl/Lid:<br>Closed ABS bowl | Depth: 362 mm                  |
| Width: 320 mm                             | Height: 227 mm                 |
| Nominal Weight: 3 kg                      | Inlet Size: 1/2 in (F) BSP     |
| Min Pressure: 2 kg/cm <sup>2</sup>        | Water Flow: 12 Litres per min. |



## OUTDOOR EMERGENCY EYE/FACEWASH

Article No: STD-H-25K/P

### Specifications & Features:

- Has high flow rate aerated diffusers for improved washing action to the eyes, face and hands & incorporates an integral lid connected to the water valve for automatic operation when the lid is lifted.
- Trace tape heated and pre-insulated
- Incorporating an integral lid and an additional Eyebath diffuser on flexible hose.
- Optional fittings available
- Available in Galvanised Mild Steel or Stainless Steel



### Additional Product Information

|  |
|--|
| Water Inlet: 1 ¼" Male BSP   |
| Test Pressure: 10.3 BAR G  |
| Min. Flow Rates:<br>Eye/Facewash: 20 Litres/mins<br>Eyebath: 8 Litres/mins |
| Operating Pressure:<br>2.2 to 6 BAR G                                      |
| Activation: Lift Lid   |
| Dimension:<br>475(W) x 720(D) x 1130 (H) mm                                |
| Weight When Full: 20 kg  |

## CEILING MOUNTED SAFETY SHOWER

Article No: EXP-23G/V

### Specifications & Features:

- Unheated Ceiling Mounted Emergency Safety Shower with mounting plate.
- Shower is operated by a pull handle for ease of use in an emergency.
- It has a removable self-draining overhead shower head, which is specifically designed for high flow rates in line with
- Optional fittings available
- Available in Galvanised Mild Steel or Stainless Steel



### Additional Product Information

|                          |
|--------------------------|
| Depth: 175 mm            |
| Width: 228 mm            |
| Height: 801 mm           |
| Nominal Weight: 4 kg     |
| Inlet Size: 1in (F) BSP  |
| Min Pressure: 1.5 kg/cm2 |
| Water Flow: 76 shower    |





## SAFETY SHOWER WITH EYE/FACEWASH FOUNTAIN

### Specifications & Features:

- Unheated Emergency Safety Shower with Eye/Facewash Fountain
- Covered Eye/Facewash bowl to protect against airborne contaminants
  - Pulling the lid provides simple operation even when vision is impaired
- The eye wash diffusers are fitted with fine mesh strainers and an individual flow controller and are designed to give a gentle flow of aerated water.
- Specifically designed for high flow rates, removable self-draining overhead shower nozzle.
- With low level water inlet.
- Designed in accordance with ANSI and EU guidelines
- Available in Galvanised or Stainless Steel
- Available with Eye/Facewash drain piped to floor level and high level water inlet.
- Choice of optional components



## INDOOR / OUTDOOR EMERGENCY SHOWERS



Art No: EXP-18G/45G  
(Galvanised Mild Steel)



Art No: EXP-18GS/45G-T  
(Stainless Steel)

### Additional Product Information

|   |                        |
|---|------------------------|
| Depth: 750 mm                             | Width: 475 mm          |
| Height: 2320 mm                           | Nominal Weight: 17 kg  |
| Inlet Size: 1 1/4 in (F) BSP              | Min Pressure: 2 kg/cm2 |
| Water Flow: 76 shower<br>12 eye/face wash |                        |



## SAFETY SHOWER WITH EYE/FACEWASH FOUNTAIN

### Specifications & Features:

- Unheated Emergency Safety Shower with Eye/Facewash Fountain with yellow ABS plastic bowl.
- Yellow ABS Eye/Facewash bowl - Pushing handle plate provides simple operation even when vision is impaired
- It has a removable self-draining overhead shower nozzle, which is specifically designed for high flow rates.
- The eye/facewash has twin spray nozzles with dust covers and is push plate operated.
- Hughes ball valves for greater reliability and longer life
- Designed in accordance with ANSI and EU guidelines
- Available in Galvanised or Stainless Steel
- Available with Eye/Facewash drained to floor level
- Choice of optional components



Art No: EXP-18G/75G  
(Galvanised Steel)

Art No: EXP-18GS/75G  
(Stainless Steel)



EYEWASH AND SAFETY SHOWERS

#### Additional Product Information

|  |                                   |
|--|-----------------------------------|
| Depth 750 mm                             | Width 314 mm                      |
| Height 2320 mm                           | Nominal Weight 16 kg              |
| Inlet Size 1 1/4 in (F) BSP              | Min Pressure 2 kg/cm <sup>2</sup> |
| Water Flow:76 shower<br>12 eye/face wash |                                   |



## OUTDOOR SAFETY SHOWER WITH EYE/FACEWASH FOUNTAIN

### Specifications & Features:

- Emergency Safety Shower with Eye/Facewash Fountain, trace tape heated and pre-insulated.
- Free-standing Indoor Unheated Safety Shower with Eye/Facewash Fountain.
- Covered Eye/Facewash bowl to protect against airborne contaminants - Pulling the lid provides simple operation even when vision is impaired.
- The shower is pre-insulated with polyurethane foam to provide maximum insulation and has a corrosion resistant polyethylene outer jacket.
- Hughes shower ball valve for greater reliability and longer life.
- Available in Galvanised or Stainless Steel
- Available with Eye/Facewash drain piped to floor level and high level water inlet.
- Choice of optional components



## INDOOR / OUTDOOR EMERGENCY SHOWERS

Art No: EXP-EJ-5G/45G



### Additional Product Information

|   |                                    |
|---|------------------------------------|
| Depth: 890 mm                             | Width: 320 mm                      |
| Height: 2330 mm                           | Nominal Weight: 25 kg              |
| Inlet Size: 1 1/4 in (M) BSP              | Min Pressure: 2 kg/cm <sup>2</sup> |
| Water Flow: 76 shower<br>12 eye/face wash |                                    |

## SAFETY SHOWER W/ BODY SPRAY & EYE/FACEWASH

### Specifications & Features:

- Self-draining Emergency Safety Shower with additional Body Spray and 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.
- Suitable for Hot climates
- Pulling lid provides simple operation even when vision is impaired
- Incorporates additional body spray to speed up the decontamination of the frontal body area
- Hughes shower ball valve for greater reliability and longer life
- Covered Eye/Facewash bowl to protect against airborne contaminants
- Designed in accordance with ANSI and EU guidelines where applicable
- Available in Galvanised or Stainless Steel
- Choice of optional components



EYEWASH AND SAFETY SHOWERS

### Additional Product Information

|  |                                    |
|--|------------------------------------|
| Depth: 750 mm                              | Width: 475 mm                      |
| Height: 2300 mm                            | Nominal Weight: 19 kg              |
| Inlet Size: 1 1/4 in (F)BSP                | Min Pressure: 2 kg/cm <sup>2</sup> |
| Water Flow: 125 shower<br>12 eye/face wash |                                    |



# INTRODUCING THE NEW HUGHES



## BOWSER SELF-CONTAINED SAFETY SHOWER

Article No: STD-MH-P-1200L

### Specifications & Features:

- This unit is ideal for applications where there is no mains water supply available and can be towed to any remote area where maintenance work is being carried out where hazardous chemicals are present and when safety showers are not available.
- Provide in excess of 15 minutes of continuous tepid water supply in accordance with ANSI Z358.1-2009

### Key Features

- Simple hand operated Shower and Eye/Facewash
- Stainless Steel Shower pipework
- Submersible electric pump
- Water immersion heater



### Additional Product Information

|   |                                      |
|---|--------------------------------------|
| Depth: 3556 mm                            | Width: 1530 mm                       |
| Height: 2330 mm                           | Weight: 1460 kg full<br>260 kg empty |
| Water Flow: 76 shower<br>12 eye/face wash |                                      |



## OPTIONAL FITTINGS: Eye/Facewash and Emergency Showers



Choice of optional components for the following:

- Emergency Eyewash
- Emergency Facewash
- Indoor/Outdoor Emergency Showers.

Various optional fittings can be chosen for added features and functionality.



**A.** Sign Options



**B.** Well Glass Light & Mounting Brackets



**C.** Inlet Flange



**E.** Flow Switch



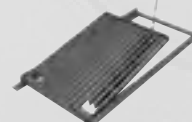
**D.** Optiflex



**F.** ABS Shower Rose



**G.** Stainless Shower Rose



**H.** Panel Foot Control



**I.** Treadle Foot Control



**J.** Proximity Switch - '45G



**K.** Proximity Switch - '75G



**L.** Shower Proximity Switch



**M.** Audible /Visual Alarm Non-Flame Proof



**N.** Audible/Visual Alarm Flame Proof



**O.** Freeze Protection Valve



**P.** 'Y' Strainer with Fine Mesh Filter



**Q.** Pressure Reducing Valve



**R.** Scald Protection Valve



**S.** Protective Frame



**T.** Heated Underground Extension Pipe



**U.** Cubicle Extension

EYEWASH AND SAFETY SHOWERS



## GENERAL USE TANK SHOWER WITH CHILLER

Article No: EXP-J-14K/1500

### Specifications & Features:

- Heavy-duty Emergency Tank Showers for use when tepid water is required or constant supply can't be guaranteed
- Essentially used where there is a problem with insufficient water pressure or inadequate flow rate.
- An insulated 1200 litre tank with rectangular hollow section frame available in either Galvanised Mild Steel or Stainless Steel.
- The frames are designed and built to be earthquake-proof
- Available with GRP outer casing in white, green or yellow

• Also available in:

- EXP-J-14K/350
- EXP-J-14K/750
- EXP-J-14K/1200
- EXP-J-14K/1600
- EXP-J-14K/2000

All are available in Stainless Steel



## EMERGENCY TANK SHOWERS



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.

### Additional Product Information

|   |                          |
|---|--------------------------|
| Depth: 1495 mm                            | Width: 1420 mm           |
| Height: 3746 mm                           | Nominal Weight: 340 kg   |
| Inlet Size: 3/4 in (F) BSP                | Min Pressure: 0.5 kg/cm2 |
| Water Flow: 76 shower<br>12 eye/face wash |                          |





## GENERAL USE TANK SHOWER

Article No: EXP-J-14K/1500

### Specifications & Features:

- An insulated 1200 litre tank with rectangular hollow section frame available in either Galvanised Mild Steel or Stainless Steel
  - 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 the heating to ensure a steady temperature is maintained.
  - The frames are designed and built to be earthquake-proof
  - Also available in:
    - EXP-J-14K/350
    - EXP-J-14K/750
    - EXP-J-14K/1200
    - EXP-J-14K/1600
    - EXP-J-14K/2000
- All are available in Stainless Steel



EYEWASH AND SAFETY SHOWERS

### Additional Product Information

|   |                                      |
|---|--------------------------------------|
| Depth: 1495 mm                            | Width: 1420 mm                       |
| Height: 3746 mm                           | Nominal Weight: 340 kg               |
| Inlet Size: 3/4 in (F) BSP                | Min Pressure: 0.5 kg/cm <sup>2</sup> |
| Water Flow: 76 shower<br>12 eye/face wash |                                      |



## OPTIONAL FITTINGS: Emergency Tank Showers

### Specifications & Features:

Choice of optional components for the following:

- Emergency Tank Shower with Chiller
- Emergency Tank Showers

Various optional fittings can be chosen for added features and functionality.

Other optional fittings includes:

- Eye/Facewash Fountain
- Tank Shower Light for Sign Box
- Strip Screens Drain Sump and Grating
- Panel Foot Control
- Treadle Foot Control
- Shower Test Handle
- Syphon Dump Valve
- Shower Proximity Switch
- Eyebath/Facewash Proximity Switch - '25K'
- Eye, Face and Body Shower Proximity Switch
- Audible/Visual Alarm - Non-Flameproof
- Audible/Visual Alarm - Flameproof
- Brass Pressure Reducing Valve
- Inlet Flange



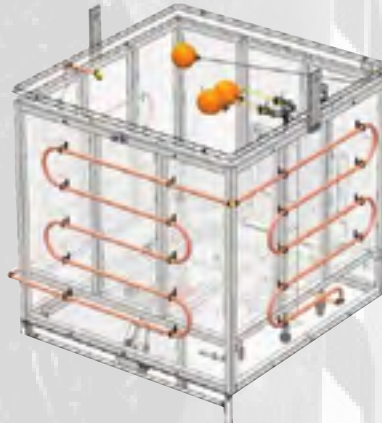
**A.** Sunshields



**B.** GRP Panelling



**C.** Low Level Switch



**D.** Cooling Coils



**E.** Temperature Gauge



**F.** Hydroclenz



**G.** Drain Sump and Grating



**H.** Chiller Unit



**I.** Pointer Type Level Indicator



**K.** Hand Held Eye, Face & Body Shower Unit



**J.** Hand Held Eye, Face and Body Shower Unit

## MOBILE EMERGENCY SAFETY SHOWERS

### Specifications & Features:

- 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.
- Specially designed plastic lined cylinder is constantly charged with pressure and only requires the connection of a hose from a water main to fill it ready for use.
- Covered Eye/Face Wash protects the bowl and diffusers against dust and debris
- Its compact design enables it to be easily stored when not being used
- Available Model:
  - Heated and pre-insulated: STD-H-40K
  - Pre-insulated without heating: STD-J-40K



EYEWASH AND SAFETY SHOWERS

### Additional Product Information

|   |                                    |
|---|------------------------------------|
| Depth: 1365 mm                            | Width: 740 mm                      |
| Height: 2400 mm                           | Weight: 80 kg                      |
| Inlet Size: 1/2 in Coupling BSP           | Min Pressure: 2 kg/cm <sup>2</sup> |
| Water Flow: 76 shower<br>12 eye/face wash |                                    |



## PORTAFLEX 300

### Specifications & Features:

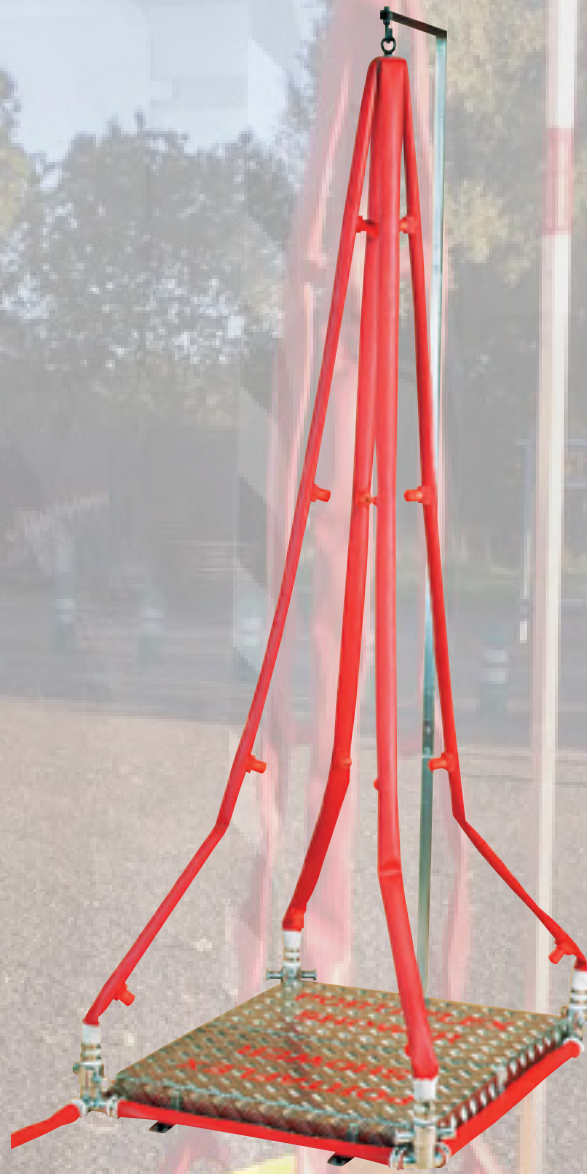
- 16-nozzle Portable Decontamination Shower designed to be lightweight and robust
- Can be quickly deployed in cases of major Chemical, Biological and Nuclear incident.
- With hose legs that become rigid under pressure to give 360° decontamination to the person or object being decontaminated.
- This primary unit may be adequate for minor incidents or where the degree of contamination is not great
- Heavy duty stainless steel pipework forms the base and hose support

#### Additional information:

- Size: 77 x 50 x 19cm
- Weight: 25Kg
- Assembly time: Less than 45 sec.
- Models available: 300/12, 300/12E, 300/16 and 300/16E



## DECONTAMINATION SHOWERS



With extremely rugged carrying case duals, an effective base platform, eliminating the necessity for a heavy duty stainless steel tubular base.



## PORTAFLEX CUPOLA

### Specifications & Features:

- Inflatable Decontamination Shelter used in conjunction with the hose assembly from a PORTAflex 300.
- Used to contain the contaminated water & eliminate airborne over-spray
- Fitted with replaceable inner lining, which has windows on two opposite sides to enable the decontamination process while openings on the other two sides enable personnel to walk through from the dirty area to the clean area.
- Openings are fitted with drop down splash flaps to eliminate over-spray
- Shelter frame incorporates four legs which inflated under low pressure (a pressure relief valve is fitted).

#### Additional information:

- Size: 120 x 60 x 50cm
- Weight: 45Kg
- Assembly time: Less than 2 minutes



EYEWASH AND SAFETY SHOWERS

#### Water Pump

This compact general purpose pump is suitable for our decontamination range of systems where waste water draining is required (110v or 240v). WWP Submersible Pump offers a very compact design, ideal for general purpose applications where space is at a premium. Fully automatic self priming, capable of dealing with up to 5mm solids at a rate of 150 litres per minute.





## PORTADEC 1000

## DECONTAMINATION SHOWERS

### Specifications & Features:

- PORTAdec 1000 is Portable Shower used to decontaminate protective clothing, or as temporary Emergency Shower to wash chemicals from the skin
- 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
- Unit comprises a robust foldaway frame with integral hood, disposable side sheeting and sump and can be erected and ready for use within 2 minutes
- PORTAdec 1000 can be connected either directly to a water main or to a Hughes PORTAheater, which can supply two units with warm or hot water simultaneously.



### Additional Product Information

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Depth: 1060 mm                      | Width: 1060 mm                     |
| Height: 2710 mm                     | Weight: 35 kg                      |
| Inlet Size: 1 in Quick Coupling     | Min Pressure: 3 kg/cm <sup>2</sup> |
| Water Flow: 30 max. Litres per min. |                                    |



# HUGHES



[HUGHES-SAFETY.COM](http://HUGHES-SAFETY.COM)

In extreme temperatures such as those encountered in the Middle East, Hughes Chiller Units control water temperature within the Tank Showers and can be located in Zone 1 & 2 Flameproof and Non-Flameproof areas



EYEWASH AND SAFETY SHOWERS

# HUGHES



**SAFETY-SHOWERS**



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