

**Portaflex**



**HUGHES**



**HUGHES-EMERGENCY.COM**

DECONTAMINATION SOLUTIONS



The increasing occurrence of spillages involving dangerous chemicals calls for the emergency services to use protective clothing.

It is imperative that such clothing is decontaminated in order to reduce the concentration of any contaminant (chemical or otherwise) to an acceptable level.

The PORTAflex® range of Decontamination Showers are readily portable, occupy minimal space when not in use, and can be assembled for use at the site of any accident simply and quickly by one man.

## Portaflex

### Primary, Economy Decontamination Shower

#### Ultra Lightweight and Compact

Size: **104 x 76 x 16cm**

Weight: **17Kg**

Assembly time: **Less than 30 seconds**

A reasonably low-cost 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 made available.

Alternatively, 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. The 1½" lay-flat Duraline flexible hoses are connected to the base with

instantaneous couplings and are fitted with six spray nozzles which project water from either side onto the person or object being decontaminated.



### PORTAflex 75

### Major Decontamination Shower

#### 'Suitcase' Type with Dual Purpose Foot Platform/Carrying Case, Portable, Lightweight and Compact

Size: **77 x 50 x 19cm**

Weight: **25Kg**

Assembly time: **Less than 45 seconds**

Models available: **300/12, 300/12E, 300/16 and 300/16E**

The Portaflex 300 provides a useful and innovative addition to the range of Portaflex portable Decontamination Showers.

This model is unique in that the extremely rugged carrying case duals as a most effective base platform, eliminating the necessity for a heavy duty stainless steel tubular base. Instead the base design is a lay-flat hose assembly, providing resultant cost and weight savings.

The 1½" lay-flat Duraline hoses form four shower legs, each of which is fitted with four



### PORTAflex 300



spray nozzles. The base hose assembly which fits around the foot platform incorporates four 1½" male instantaneous couplings which mate with the female couplings on the legs. When under pressure, all the hose legs and the base hose assembly, become rigid, thus forming a stable frame for decontamination of personnel, complete with non-slip raised platform.



# Portaflex

## Portable & Inflatable Decontamination Shelter

Size: **120 x 60 x 50cm**

Weight: **45Kg**

Assembly time: **Less than 2 minutes**

**PORTAFlex Cupola**

Used with low flow-rate nozzles on the hose assembly from the Portaflex 300 Decontamination Shower, this unit is specifically designed to provide for those occasions where containment of the contaminated water is necessary.

The shelter frame incorporates four legs which are inflated under low pressure (a pressure relief valve is fitted). This structure supports the 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.

Inlet and outlet trunks are located in the heavy duty floor section and these can be made to suit clients' individual requirements.

The inlet is normally situated on the side, below a window, to enable the water to be fed from the clean area, while the two outlets are positioned to each side of the entrance, to enable the contaminated water to be directed to the dirty area.

Fitted with easily replaceable inner lining.

**Note: Portaflex Cupola with a built in integral shower is available which offers a low flow rate.**



## Water Pump

This compact general purpose pump is suitable for our decontamination range of systems where waste water draining is required (110v or 240v). The WWP Submersible Pump offers a very compact design, ideal for general purpose applications where space is at a premium.

The pump is self priming and is fitted with a non-return valve. The pump is ideal for transfer of rain, dirty or waste water, where automatic control is required in a confined space, as well as flood water removal. Fully automatic self priming, capable of dealing with up to 5mm solids at a rate of 150 litres per minute.

**Note:**  
**This Pump can only be used with our model PortaFlex Cupola with an integral Shower System.**



## Portaflex



# PORTAflex®

**Lightweight Decontamination Showers for use by Civil and Military Fire Services, Chemical and Petrochemical Industries, Armed Services and Civil Defence Units.**

Once erected and coupled to a fire appliance, water is admitted to the apparatus and the hoses become rigid under pressure adopting the curved form as seen in the illustrations.

In the case of Model 300, enough water is delivered through the spray nozzles to dilute any chemical contamination by a minimum ratio of 2,000 to 1 in a period of minutes, which in accordance with the UK Fire Service recommendations is sufficiently diluted to run to waste in the normal sewage system.

Various configurations of size and quantity of spray nozzles are available. They are easily removable to enable them to be cleaned, or exchanged either for blanks or lower flow rate nozzles.

All standard models in the PORTAflex® range have water delivered to the multi-nozzle flexible pipework via a male instantaneous coupling. Other type couplings are available on request.

### PORTAflex Chemical Inductor

# PORTAflex®



The inline inductor provides an effective means of introducing chemicals into the water stream for the decontamination, or neutralisation of dangerous chemicals or corrosive substances. The standard unit is manufactured from corrosion resistant materials and can be fixed or adjustable to deliver between 0.5 - 6% concentration.

**Suitable for all models in the PORTAflex® range.**

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Champion

