



## Installation, Operation and Maintenance Instructions

### Emergency Response Solutions

- **PORTAdec™ 500 Portable Decontamination Misting Shower**

### Warranty Information

Hughes Safety Showers Ltd guarantees the products it manufactures or sells against defects in workmanship and material for a period of one (1) year from the date of shipment or date of invoice, whichever is later. The product must be used, maintained and installed according to the instructions and procedures provided, or this warranty is void. Any alteration or modification of the product will also void this warranty. Hughes Safety Showers obligation under this warranty is limited to repair or replacement of defective products. No other warranty or remedy shall be provided. This warranty specifically does not guarantee or cover payment or reimbursement of any damages or consequential damages other than repair or replacement of the product.

Any claim under this warranty must be made in writing within twelve (12) months of the date of shipment or the date of invoice, whichever is later. The owner must prepay shipping costs of all products returned to Hughes Safety Showers Ltd under this warranty. If it is determined that the product is defective in material and /or workmanship the repair or replacement will occur, at Hughes Safety Showers option, at no charge and return freight prepaid by Hughes Safety Showers. All other return of the product to the owner shall be at the owner's expense.

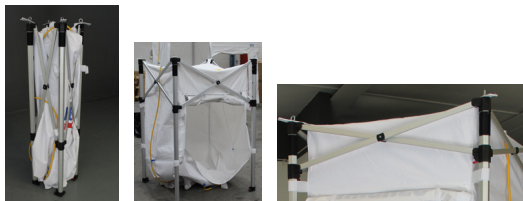
Proper use by the customer is necessary for the effectiveness of the product, as well as the safety of those using the same. The user is solely responsible to determine the suitability of any Hughes Safety Showers product for any intended use. The user assumes all risk and liability for use of any Hughes Safety Showers product. User specifically acknowledges receipt of proper instructions regarding the use of the product in the original packaging and disclaims any consequential damages to person or property, damages for loss of use, lost time, loss of profit, lost income, loss of the Hughes Safety Showers product itself and/or other incidental or consequential damages other than as warranted by this limited warranty. User accepts the responsibility of removing from service any product that becomes worn out, unusable, unfit for the intended use or defective in any way such as to make the product a potential safety hazard. Hughes Safety Showers is unable to undertake such obligations or responsibilities on behalf of the user as the user is in sole possession and control of the product.

## Assembly Instructions

It is recommended that the assembly is performed by two people on a stable, flat surface.



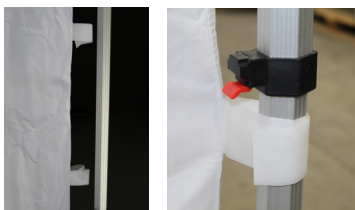
1. Remove the disinfection/drying zone matting from the carry case, take care when removing as the cylinder is rolled up inside. Position the mat in a suitable flat location.



2. Remove the cover/frame from the carry case. Expand the frame until the top cross-bar sections click into the locating holes at all four corners.



3. Whilst standing on the foot pad at the base of the frame depress the snap button and extend two of the telescopic legs fully until they engage, followed by the remaining two. Ensure all legs are firmly locked into place at the fifth hole on the frame.



4. Attach the velcro fastenings on the canopy to each of the frame legs.



5. Stand the frame structure on top of the disinfection/drying zone mat and place the sanitising mat inside the sump area at the base of the shower cubicle.

If required, fill the sandbags and attach to the base of each leg.



## Fill, pressurise and connect the cylinder

1. Lift and turn the pressure air release valve on top of cylinder to release the pressure in the unit. (Fig. 1)
2. Once all the pressure has been released, loosen the lever clamp on filler cap and remove. (Fig. 1)
3. Ensure all parts are thoroughly clean.
4. Fill with 15 litres (3.9 US gallons) of the appropriate disinfectant solution.
5. Check the O-ring rubber seal (Fig. 1) is correctly aligned. Replace the filler cap and clamp back into position.
6. Turn the air release valve to the close position.
7. Connect the misting nozzle hose connector to the push foot valve and tighten. (Do not over-tighten). (Fig. 2)
8. Attach the grey disconnect air fitting (IN) to the cylinder - ready to pressurise the cylinder via the air valve. (Fig. 3)
9. Attach the black disconnect liquid fitting (OUT) to the cylinder - for the foot operation valve and misting nozzle pipe. (Fig. 3)
10. On the base of the disconnect fittings, use two fingers to pull back the locating ring to connect and disconnect.
11. After all checks have been carried out and connections and seals are secure, pressurise to 6 BAR (87 PSI) via the air-valve using an air-line or the high-pressure pump provided.

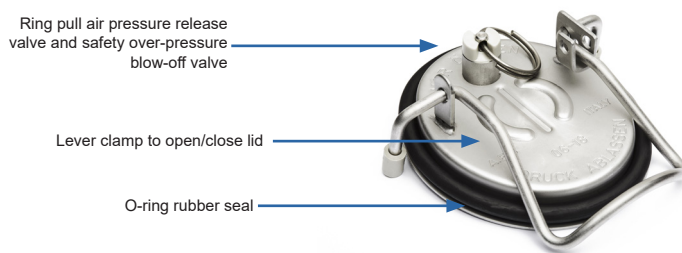


Fig. 1



Fig. 2

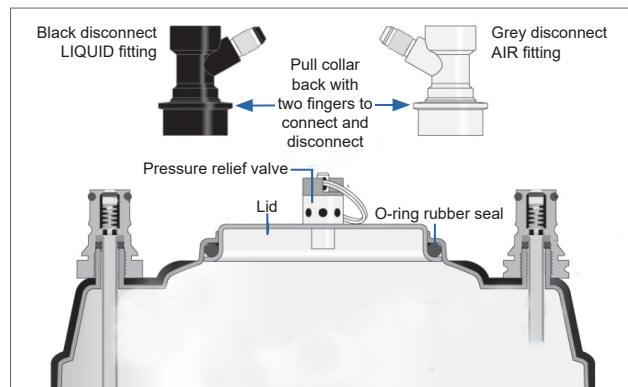


Fig. 3

### CAUTION:

- When charging the unit, the maximum working pressure should not be exceeded.
- Do not leave the unit outside in a position where it could suffer from heat source or from frost damage.

## Maintenance

Regular maintenance of this equipment is essential to ensure correct functionality.

The cylinder tank must be properly handled. Repeated dropping and abusive handling may result in some tanks being continued in service beyond their safe service life. Any containers, which show substantial damage excessive wear, or significant metal removal must be removed from service.

All equipment should be cleaned regularly, and visually inspected prior to use.

- The cylinder must be visually inspected (inside and outside) for major dents or deviations from the original dimensions of the container. Any cylinder that has metal deformation that may compromise the structural integrity of the container must be removed from service.
- Any tank with a dent, nick, or deformation in the area in contact with the closure gasket, that is of sufficient depth to prevent adequate sealing or pressurization of the tank, must be removed from service.
- The life of the external O-ring depends on tank usage, where it is stored and climate conditions. Hughes recommends that O-rings be replaced at least once a year.

If you require further assistance please contact us:

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