Portable CBRN Containment and Decontamination Unit

The Air Foam Dolly System (AFDS) is a unique portable self-contained unit with two primary CBRN functions:

- Explosive blast and chemical/biological agent containment and mitigation
- Area decontamination capability for a surface area of up to 130 sq m (1400 sq ft)

A single person can deploy and operate the system which uses pressurised air and a chemical mixing tank to produce a unique suppression and decontamination foam. When used in conjunction with a UCS 4-panel enclosure (tent) (supplied as standard) the foam produced by the AFDS can contain and mitigate the blast effects from hazardous devices such as IEDs and UXO while dealing effectively with the threats from “dirty bombs” and Chem/Bio/Radiological dispersal devices. In the decontamination role the system can perform emergency decontamination of chem/bio agents on hardware or structural surfaces.
Benefits

- Explosive blast and chem/bio agent containment and mitigation
- Rapid and effective chem/bio decontamination and kill capability
- Radiological particle containment and removal capability
- Retention and preservation of forensic evidence

Features

- Cost-effective and proven performance
- Foam neutralises CB warfare agents and contains explosive blast effects
- Straightforward and rapid manual deployment
- Standard system supplied with UCS 4-panel enclosure and cover. (To fill a 6-panel enclosure with foam, two AFDS are required)
- 4-panel enclosure and air dolly deployable by Remotely Operated Vehicle (ROV)
- Excellent physical handling characteristics

System Components

- Rugged frame with integral control panel
- 142 L (37.5 US Gal) liquid mixing and storage tank
- 4500 psi MSA air tank
- 25’ (7.6 M) hose, fitted with Storz connectors
- 6” (15.2 cm) nozzle for blast & chem./bio mitigation (using 4 panel enclosure UCS)
- 2” (5.1 cm) nozzle for decontamination
- UCS 4-panel enclosure with cover & bag
- Mixing Paddle

Deployable in minutes, the dual-purpose Air Foam Dolly System enables a CBRN incident to be controlled efficiently and effectively.

SUMMARY

Users
Military, law enforcement and first responders

Function
Rapid and effective chem/bio decontamination

Advantage
Enables a CBRN incident to be controlled efficiently and effectively

<table>
<thead>
<tr>
<th>Single Operational Use</th>
<th>Payload Comprises</th>
<th>Payload Description</th>
<th>Payload Stock Number</th>
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</thead>
<tbody>
<tr>
<td>For blast mitigation only</td>
<td>3 x 950ml / 0.250gal</td>
<td>GCE-2000 DSF</td>
<td>TD-CH-203</td>
</tr>
<tr>
<td>For blast mitigation with decontamination</td>
<td>3 x 950ml / 0.250gal</td>
<td>GCE-2000 1 x 4.2kg / 9.259lbs GP2100 DDSF</td>
<td>TD-CH-202</td>
</tr>
<tr>
<td>For decontamination only</td>
<td>5 x 950ml / 0.250gal</td>
<td>GCE-2000 2 x 4.2kg / 9.259lbs GP-2100 SDF</td>
<td>TD-CH-201</td>
</tr>
<tr>
<td>Or</td>
<td>Or</td>
<td>Or</td>
<td>CASCAD*</td>
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</tbody>
</table>

Each operational use of the Air Foam Dolly System requires one payload of chemicals.

A payload is a pre-measured quantity of 2 or 3 chemicals which are ordered as a single item and supplied as a boxed set.

The recommended order quantity for operational use is 3 operational payloads for each Dolly System ordered.

Note: GP-2100 can only be shipped by sea freight due to I.A.T.A. restrictions under UN2465, class 5.1.

For Operational use of a 6-panel tent: Payload for the DSF (Stock Number TD-CH-203) and the DDSF (Stock Number TD-CH-202) must be doubled.

Due to continual product development, descriptions and specifications are subject to change without prior notification and such details must not be used for contractual purposes.