



**MFC**International  
*by* RESPIREX

# CBRN Wet Decontamination

Rapid Deployment Decontamination Systems



# Mass Decontamination Shower

The inflatable Mass Decontamination Shower from MFC International is lighter than traditional metal framed showers and extremely quick to deploy, allowing for rapid response in a mass casualty decontamination scenario.

The shower is partitioned into three lanes (male, female and assisted decon) with separate entrances and exits and screened pre and post decontamination changing areas. Each lane has two separate showering stations, allowing the front station to be fed with water treated with a cleanser or neutralising agent, while the rear station can be used to rinse off with clean water.

Raised floor panels or matting in the shower section prevent contact with contaminated shower wash-off, which is collected in a chemically resistant sump and pumped out through an internal sleeved port.

- Full range of accessories available
- Two external shut off taps provide individual control of front and back shower stations
  - shower brush connectors are always 'on'
  - as guns & brushes have individual controls - other options on request
- Sleeves included for extraction of contaminated water, ducted hot air and cabling



 **726x452x302 cm**

 **140 kg**

 **160x100x80 cm**



Removable internal partitioning creates three separate decontamination lanes.

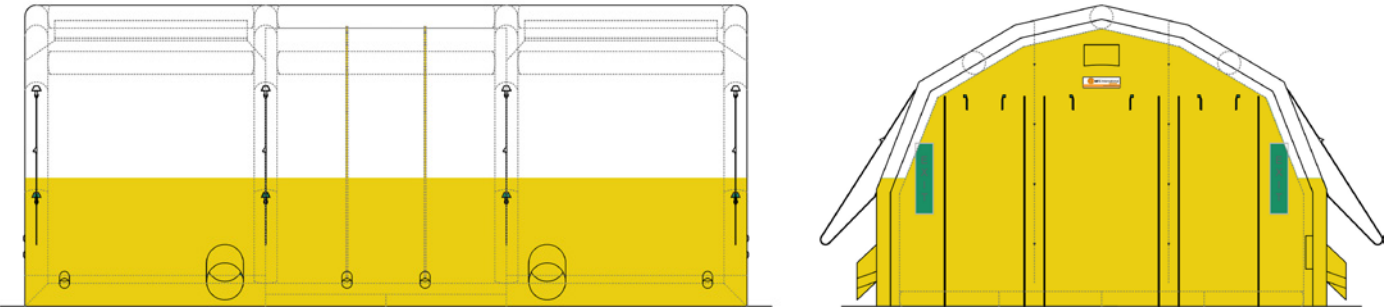
# Mass Decontamination Shower

## TECHNICAL DATA

|                                        | Mass Decon Unit                             |
|----------------------------------------|---------------------------------------------|
| Product Code                           | <div>● DSW027</div> <div>● DSW027/001</div> |
| Length (cm)                            | 726                                         |
| Int. Length (cm)                       | 726                                         |
| Width (cm)                             | 452                                         |
| Int. Width (cm)                        | 406                                         |
| Height (cm)                            | 302                                         |
| Int. Height (cm)                       | 278                                         |
| Int. Floor Area (sq.m)                 | 30                                          |
| Air Requirements (ltr)                 | 3800                                        |
| Max. Water Inlet Pressure (bar)        | 3                                           |
| Recommended Pump Flow (ltrs)           | 5 ltr/min per nozzle                        |
| Number of Shower Nozzles               | 8                                           |
| Number of Shower Hose/Brush Connectors | 8                                           |
| Number of Heater Sleeves               | 4                                           |
| Number of Cable sleeves                | 8                                           |
| Pack Size (cm)                         | 160 x 100 x 80                              |
| Weight (kg)                            | 140                                         |

- **CAMLOCK Coupling System**  
 For a system with CAMLOCK couplings throughout order codes in green
- **Storz Coupling System**  
 For a system with Storz D25 couplings throughout order codes in blue

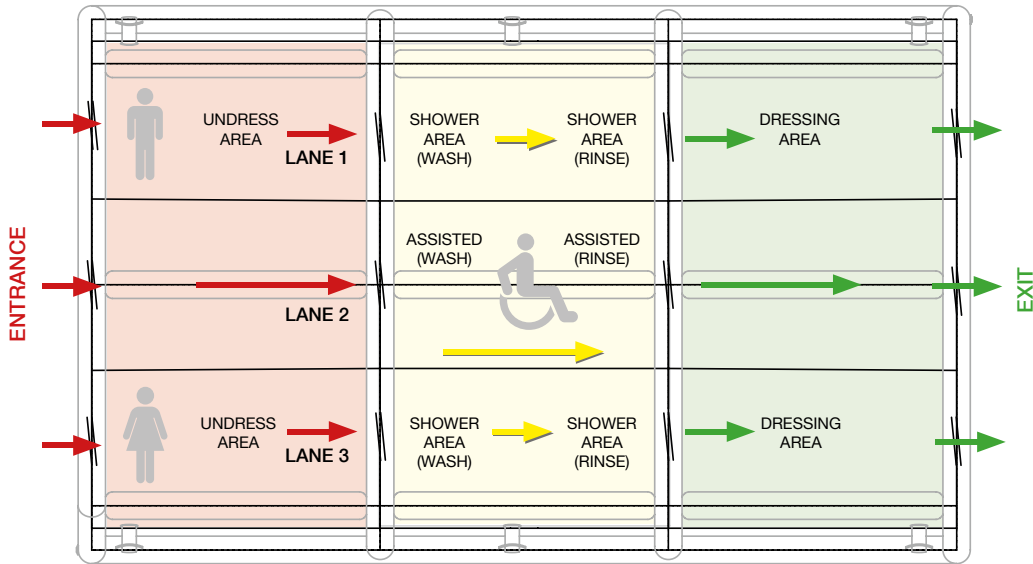
## DETAIL DRAWING



## INTERNAL LAYOUT (3 LANE CONFIGURATION)

The diagram on the right shows the different compartments of the Mass Decontamination shower. It also shows how the user enters the decontamination shower and shows the direction of travel. The areas are colour coded:

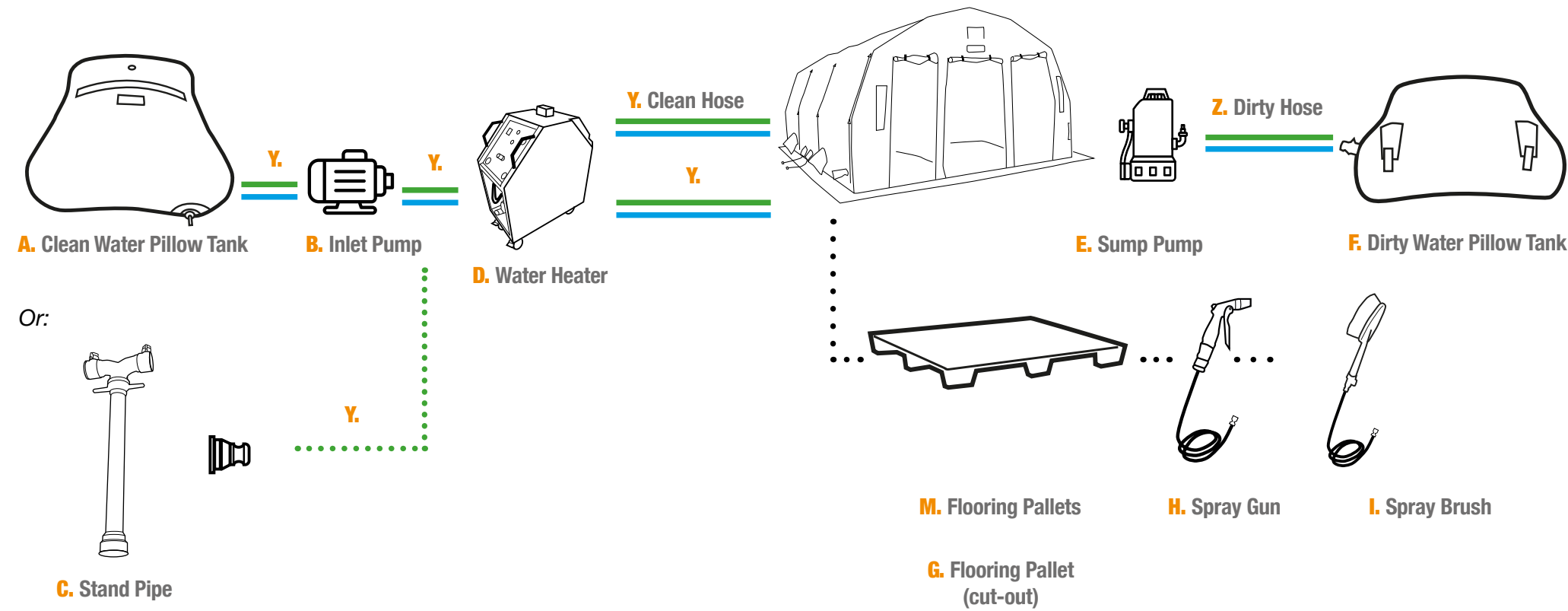
- **Red** - designates the contaminated area where the user will enter the unit
- **Yellow** - designates the area where the user will wash off any contamination
- **Green** - designates the clean, post decontamination area



# Mass Decontamination Shower

## SYSTEM SCHEMATIC & COMPONENTS

See pages at the back of the brochure for component details



Or:

Using a tender or stand pipe water supply.  
Pressure required: >2 Bar  
If supply pressure is less than 2 bar 1x inlet water pump **B.** will be required

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# Single Assisted Decontamination Shower

A versatile, lightweight and quick to deploy inflatable Single Assisted Decontamination Shower designed for the decontamination of both casualties and responders. Fully inflatable, the shower can be set up in a matter of minutes, and will stay standing without continuous inflation.

The shower is sized to accommodate a casualty on a spine board, with two medical personal in appropriate personal protective equipment. Designed to minimise water consumption, the shower includes two connection points for on demand spray guns or brushes and two shower nozzles with individual shut off valves.

The shower includes internal pockets and a hanging rail for equipment and a zipped pass-through port for transferring equipment without having to open the doors.

- Front and rear doors with roll-up windows and blinds and zipped pass-through ports
- Sleeves for a portable air heater and pumped extraction of contaminated water are included as standard
- Internal pockets and hanging rail for medical equipment
- Internal hanging points for IP67 lighting (supplied separately)



Internal grab handles for support while cleaning boots etc



Optional inflatable spine board platform

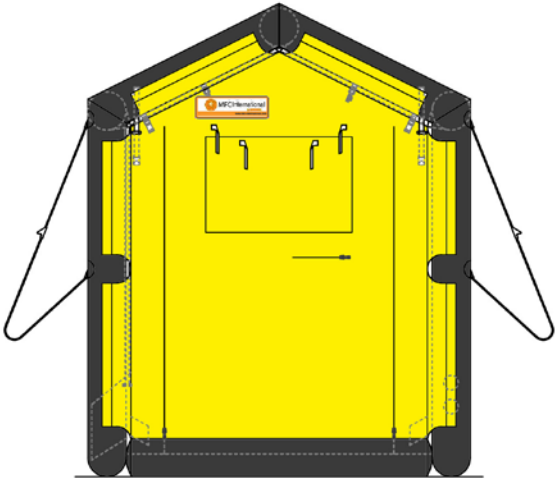
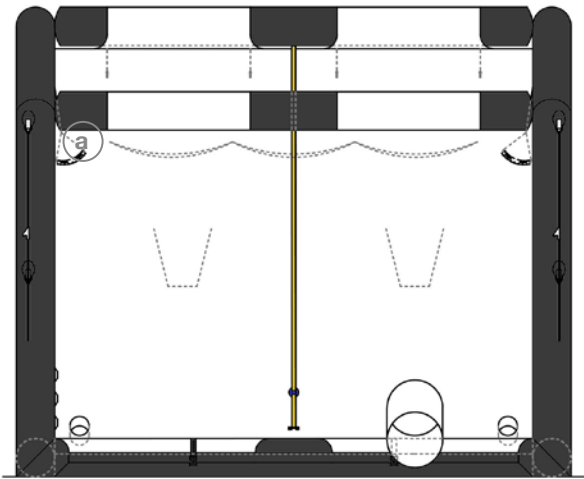
 **290x200x248 cm**  
 **30 kg**  
 **50x50x100 cm**

# Single Assisted Decontamination Shower

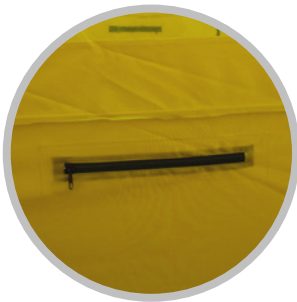
| TECHNICAL DATA                                 | Single Assisted Decon  |          |
|------------------------------------------------|------------------------|----------|
| Product Code                                   | <div><div></div></div> | DSW029   |
|                                                | <div><div></div></div> | DSW029/S |
| Length (cm)                                    | 290                    |          |
| Int. Length (cm)                               | 250                    |          |
| Width (cm)                                     | 200                    |          |
| Int. Width (cm)                                | 160                    |          |
| Height (cm)                                    | 248                    |          |
| Int. Height - Max (cm)                         | 225                    |          |
| Working Pressure (bar)                         | 0.38                   |          |
| No. of chambers                                | 1                      |          |
| Air Requirements (ltr)                         | 1185                   |          |
| Max. Water Inlet Pressure (bar)                | 3                      |          |
| Recommended pump flow-capacity (liters/minute) | 7 ltr/min per nozzle   |          |
| Number of Shower Nozzles                       | 2                      |          |
| Number of Connectors                           | 2                      |          |
| Heater Sleeves                                 | 1                      |          |
| Cable/Hose Sleeves                             | 4                      |          |
| Pack size (cm)                                 | 50 x 50 x 100          |          |

- CAMLOCK Coupling System**  
For a system with CAMLOCK couplings throughout order codes in green
- Storz Coupling System**  
For a system with Storz D25 couplings throughout order codes in blue

## DETAIL DRAWING



Internal pockets for medical equipment or stowing spray guns



Zipped pass through ports for medical equipment



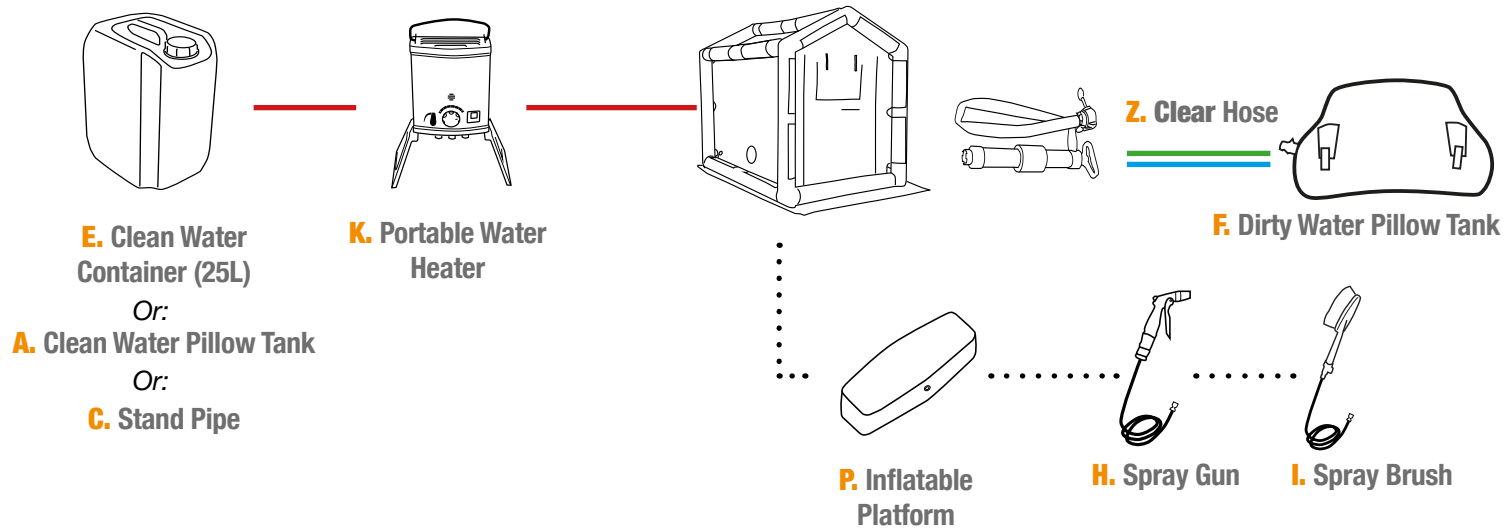
Internal hanging rail for equipment



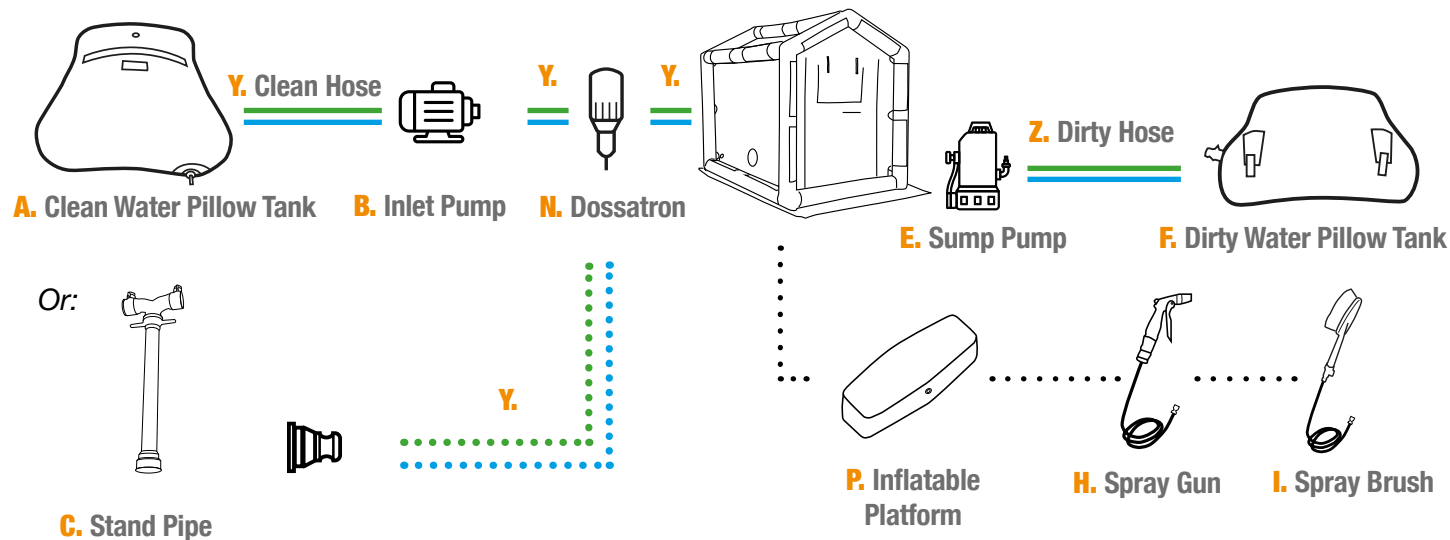
# Single Assisted Decontamination Shower

## SYSTEM SCHEMATIC & COMPONENTS - OFF GRID SYSTEM

See pages at the back of the brochure for component details



## SYSTEM SCHEMATIC & COMPONENTS - ON GRID SYSTEM



**CAMLOCK Coupling System**  
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**Storz Coupling System**  
For a system with Storz D25 couplings throughout order codes in blue

**— REQUIRED**

**... OPTIONAL**

**— INCLUDED**



# Four Person Decontamination Shower

The inflatable Four Person Shower is a quick deployment decontamination solution for up to four emergency responders or casualties. A detachable internal partition is provided, which splits the shower into two lanes. The shower system has two separate water feeds allowing the front half of the shower to be fed with water treated with a cleanser or neutralising agent, while the back half can be used to rinse off with clean water.

Raised floor panels or non-slip matting prevent contact with contaminated shower wash-off, which is collected in a chemically resistant sump. Sleeves for pumped extraction of contaminated water are included as standard.

- Two external shut off taps provide individual control of front and back shower stations  
- shower brush connectors are always 'on' as guns & brushes have individual controls  
- other options on request
- Each shower point has an over-head spray nozzle, a side spray nozzle and a brush/gun connection
- Set up within a matter of minutes and will stay standing without continuous inflation
- Lightweight and compact, the shower is easy to transport and store



 **350x290x290 cm**

 **30 kg**

 **128x70x50 cm**



Removable internal partition allows two separate decontamination lanes to be created.



Optional external sump attached to the shower (inflates with the shower) shown above. Version without sump also available.



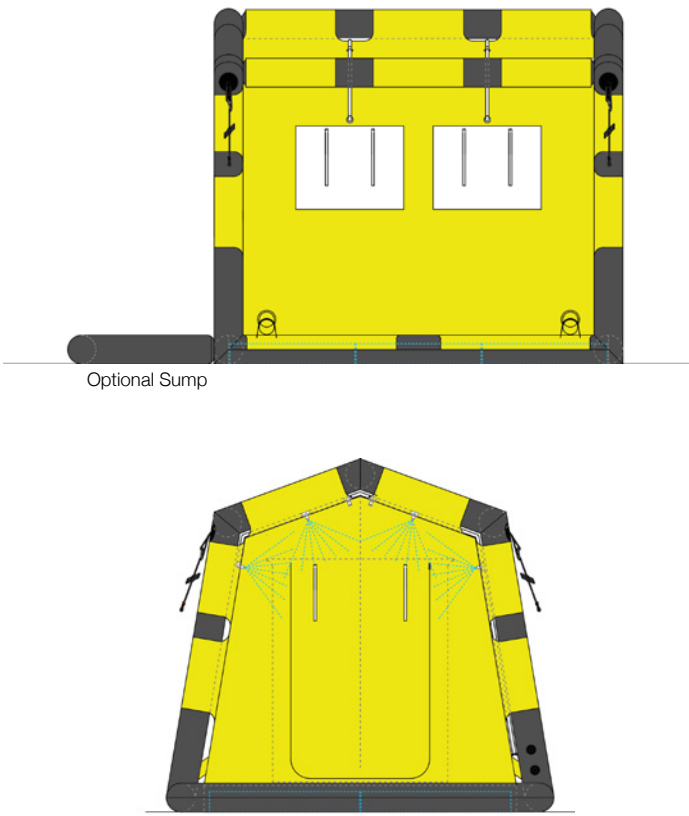
# Four Person Decontamination Shower

## TECHNICAL DATA

|                                                      | MD4                  | MD4 WITH SUMP        |
|------------------------------------------------------|----------------------|----------------------|
| Product Code (CAMLOCK Coupling)                      | ● DSW017/005         | ● DSW017/003         |
| Product Code (Storz Coupling)                        | ● DSW017/007         | ● DSW017/006         |
| Length (cm)                                          | 350                  | 350 + 105 (Sump)     |
| Internal Length (cm)                                 | 300                  | 300                  |
| Width (cm)                                           | 290                  | 290                  |
| Internal Width (cm)                                  | 240                  | 240                  |
| Height (cm)                                          | 290                  | 290                  |
| Internal Height (cm): Maximum (without pallet floor) | 260                  | 260                  |
| Average (with pallet floor fitted)                   | 246                  | 246                  |
| Working Pressure (bar)                               | 0.37                 | 0.37                 |
| Number of Chambers                                   | 1                    | 1                    |
| Air Requirements (ltr)                               | 1370                 | 1630                 |
| Recommended Water Inlet Pressure (bar)               | 3                    | 3                    |
| Minimum Recommended Flow (ltr)                       | 7 ltr/min per nozzle | 7 ltr/min per nozzle |
| Number of Shower Nozzles                             | 8                    | 8                    |
| Number of Shower Hose/Brush Connectors               | 4                    | 4                    |
| Number of Tubing Sleeves                             | 4                    | 4                    |
| Windows & Blinds                                     | 4                    | 4                    |
| Pack Size (cm)                                       | 128 x 70 x 50        | 128 x 70 x 50        |
| Weight (kg)                                          | 55                   | 60                   |

- **CAMLOCK Coupling System**  
For a system with CAMLOCK couplings throughout order codes in green
- **Storz Coupling System**  
For a system with Storz D25 couplings throughout order codes in blue

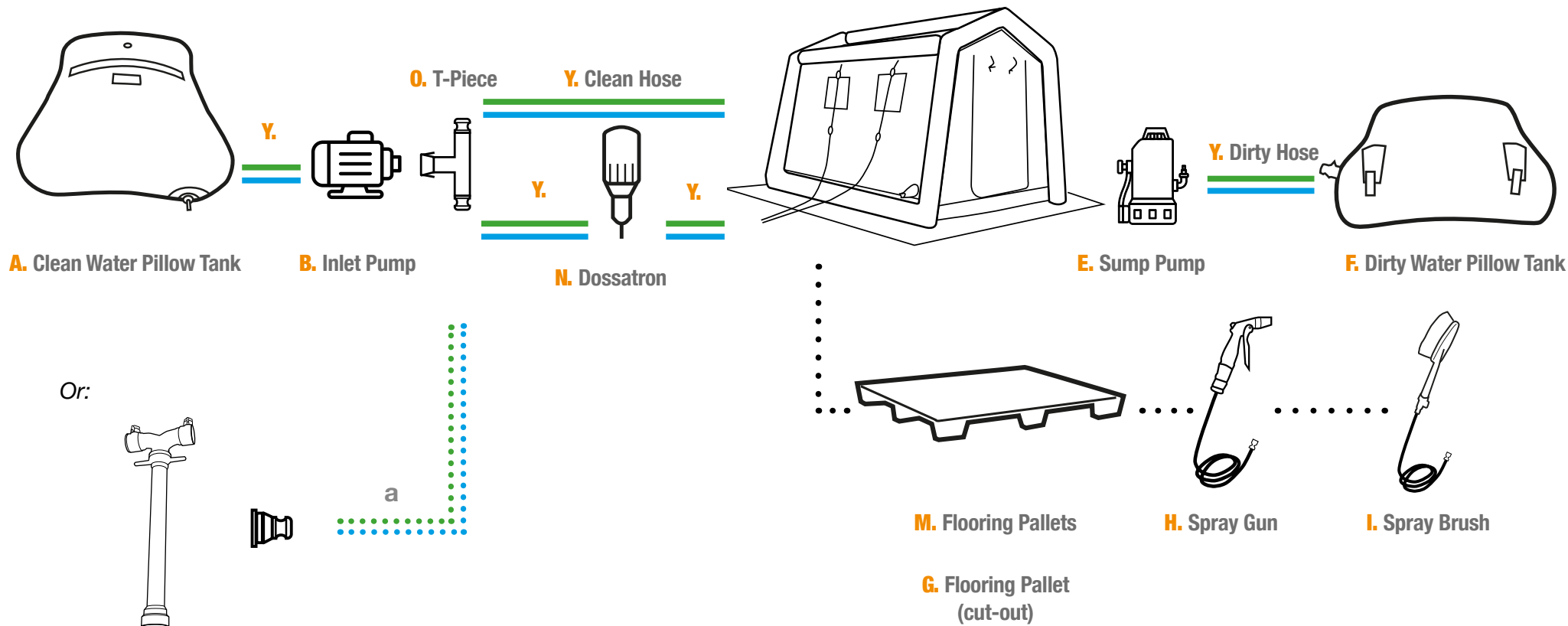
## DETAIL DRAWING



# Four Person Decontamination Shower

## SYSTEM SCHEMATIC & COMPONENTS

See pages at the back of the brochure for component details



Using a tender or stand pipe water supply.

Pressure required: >2 Bar

If supply pressure is less than 2 bar 1x inlet water pump **B.** will be required

**CAMLOCK Coupling System**

For a system with CAMLOCK couplings throughout order codes in green



**Storz Coupling System**

For a system with Storz D25 couplings throughout order codes in blue



# Single Decontamination Shower

A lightweight single-person decontamination shower with an optional external sump unit, the inflatable Single Decontamination Shower can be set up in a matter of minutes, and will stay standing without continuous inflation.

A raised floor panel prevents contact with contaminated shower wash-off, which is collected in a chemically resistant sump. Sleeves for pumped extraction of contaminated water are included as standard.

Single Decontamination Showers come with a viewing window and optional chemically resistant sleeves and nitrile rubber gloves to allow assisted decontamination by a third party stood outside of the unit.

- Over-head spray nozzle and side spray nozzle, with two brush/gun connections
- External shut off tap as standard - other options on request
- Lightweight and easily portable
- Internal grab handle for support while cleaning boots etc



 **156x143x263 cm**  
 **25 kg**  
 **70x45x30 cm**



Optional gloves & sleeves  
for decontamination  
assistance from outside  
the shower



Optional external sump  
attached to the shower  
(inflates with the shower)



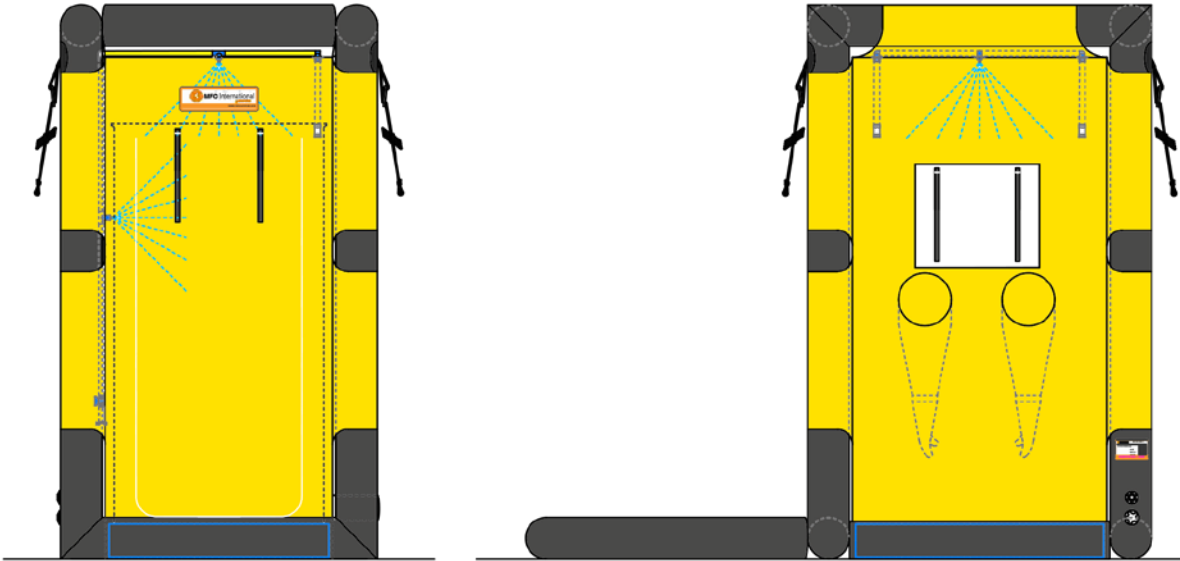
# Single Decontamination Shower

| TECHNICAL DATA                                 | Single Decon         | Single Decon with Sump |
|------------------------------------------------|----------------------|------------------------|
| Length (cm)                                    | 168                  | 168 +140               |
| Int. Length (cm)                               | 120                  | 120                    |
| Width (cm)                                     | 148                  | 148                    |
| Int. Width (cm)                                | 100                  | 100                    |
| Height (cm)                                    | 263                  | 263                    |
| Int. Height (cm)                               | 235                  | 235                    |
| Working Pressure (bar)                         | 0.38                 | 0.38                   |
| No. of chambers                                | 1                    | 1                      |
| Air Requirements (ltr)                         | 770                  | 935                    |
| Max. Water Inlet Pressure (bar)                | 3                    | 3                      |
| Recommended pump flow-capacity (liters/minute) | 7 ltr/min per nozzle | 7 ltr/min per nozzle   |
| Number of Shower Nozzles                       | 2                    | 2                      |
| Number of Connectors                           | 2                    | 2                      |
| Number of Tubing Sleeves                       | 1                    | 1                      |
| Pack size (cm)                                 | 100 x 50 x 50        | 100 x 50 x 50          |
| Weight (kg)                                    | 25                   | 28                     |

- **CAMLOCK Coupling System**  
For a system with CAMLOCK couplings throughout order codes in green
- **Storz Coupling System**  
For a system with Storz D25 couplings throughout order codes in blue

| PRODUCT CODES             | TPU Shower                    |
|---------------------------|-------------------------------|
| Decon Shower              | <span>●</span> DSW022/020     |
|                           | <span>●</span> DSW022/020/001 |
| Decon Shower with Gloves  | <span>●</span> DSW022/021     |
|                           | <span>●</span> DSW022/021/003 |
| Decon Shower with Sump    | <span>●</span> DSW022/022     |
|                           | <span>●</span> DSW022/022/001 |
| Shower with Sump & Gloves | <span>●</span> DSW022/023     |
|                           | <span>●</span> DSW022/023/002 |

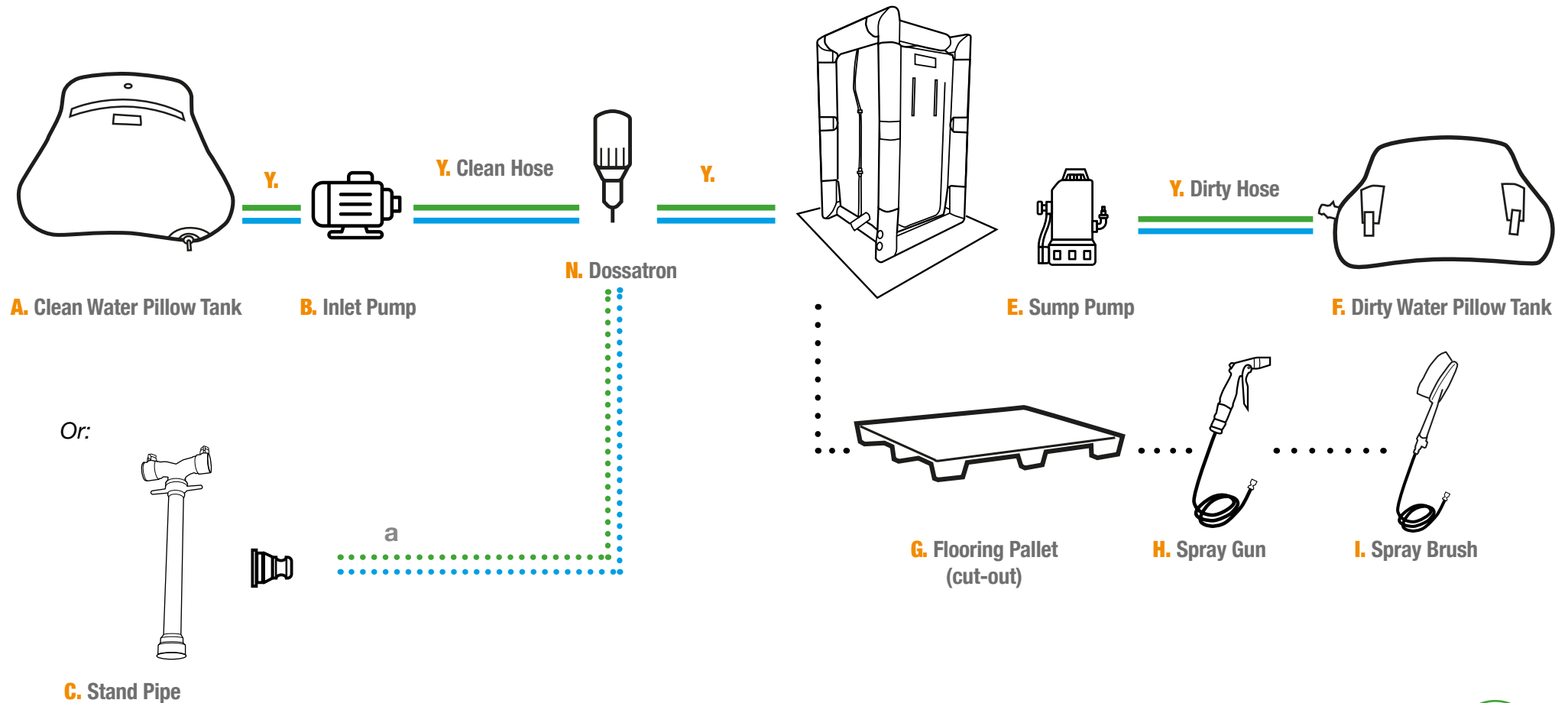
## DETAIL DRAWING



# Single Decontamination Shower

## SYSTEM SCHEMATIC & COMPONENTS

See pages at the back of the brochure for component details



Using a tender or stand pipe water supply.

Pressure required: >2 Bar

If supply pressure is less than 2 bar 1x inlet water pump **B.** will be required



# Decontamination Shower System Components



## A) Clean (Potable) Water 1000 litre Pillow Tank

Range of other sizes available

- WS0028
- WS0028/001



## B) Inlet Water Pump

Close-coupled self-priming centrifugal pump 230V, 110V on request

- DSA002
- DSA002/001



## N) Dosatron

Installed into the water supply line, the Dosatron (with trolley) feeds the pre-set percentage of cleaning/neutralising agent into the water.

- DSA005
- DSA005/001



## D) Water Heater

A portable diesel and electric water heater & dosing unit with a high 50 l/min max flow rate specifically designed to supply tepid water for decontamination showers.

- Contact Sales
- Contact Sales



## K) Portable Gas Water Heater

Inc 12v Pump - hoses included (Requires gas bottle)

- DSA014
- DSA014/01



## G) & M) Flooring Pallets

Installed into the shower sump to raise the user above the run-off water level.

- G) Cut-out Pallet: DSA2011
- M) Plain Pallet: 140065



## H) & I) Spray Guns & Brushes

Fitted to a coiled hose the brush & gun can both be turned off when not in use.

- H) Spray Gun: DSA008
- I) Spray Brush: 180035



## O) T-Piece

An adapter used to split the incoming water flow from a pump into separate feeds for the dosatron and rinsing water nozzles 1x Socket, 2x Plug couplings

- DSA009 (1xF & 2xM)
- DSA009/001



## Y) & Z) Water Hoses

Flexible reinforced hoses with a 25mm inside diameter. 2m length as standard, other lengths on request

### Y) Clean Water (Green)

- HS-05-02-02-22-22
- HS-05-02-02-23-23

### Z) Dirty Water (Clear)

- HS-06-06-02-22-22
- HS-06-06-02-23-23



### E) Submersible (Sump) Pump

A submersible drainage pump with a compact footprint and an integral float switch. 230V as standard, 110v on request.

- DSA004
- DSA004/001



### Bilge Pump

Hand operated bilge pump for off-grid operation of the single assisted decon.

- DSA013
- DSA013/001



### F. Dirty Water 1000 litre Pillow Tank

- Other sizes available

- WS0017
- WS0017/001



### C) Stand Pipe & Adapter

- To connect fire tender or stand pipe outlet to the decon system in place of a pillow tank and pump.  
*Various models available depending on outlet coupling*  
 - Contact sales for details & product codes



### E) Water Container

A 25 liter portable water container.

Container (25L): 060171

## Decontamination Shower Accessories



### Water Ballast Bags

Used to anchor showers on hard standing  
 25kg- WBB001  
 100kg - WBB002  
 Guy-line Ballast  
 50kg - WBB003



### Generator

A choice of petrol generators with different power output ratings which can operate at 115 or 230V AC.

- 6kW: 190500
- 2.7kW: DS9069



### Electric Inflater

A high-performance 2kW, 230VAC electric inflater (110V on request) that can fully inflate any of our range of showers.

#### Inflater only

230 VAC: 180058/001

#### Automatic refill Inflater

230 VAC: 180056/001





### **Regulator, 8 Bar**

For rapid inflation of decon showers with BA cylinders

Regulator & hose:  
RE0034/006



### **Hand Pump**

Bravo 4 ALU R.E.D hand pump for manual inflation of decon showers.

Hand Pump: 180001



### **Rubber matting**

Size: 500x2300mm

Matting: DSW917



### **Portable air heater**

A range of portable oil heaters designed to be positioned outside the shower or shelter with the heated air fed into the shelter through the heater sleeve via a heat resistant hose.

See website for range or contact sales for details.



### **LED Shelter Lights**

Designed for ease of installation in inflatable structures these 23W, 2300 lumen lights feature durable waterproof construction.

Lamp: SLZ2323/5/01DWD  
Hanging kit: SLZ005



### **5m LED Strip Light**

Waterproof strip light that can be used in decon showers.

110v - 090074

230v - TBC

18v Battery - TBC



### **Waterproof LED Interior/Exterior Lights**

Tower Pro 2K

Tower Lights: 090067



### **Patient roller conveyor**

A flexible roller conveyor that facilitates the handling of non-ambulatory casualties through a decontamination shower.

Conveyor: DSA015



### **Inflatable Spine Board Platform**

Platform: DSW918



### Ground Sheets

A range of ground sheets sized to suit each shower model and available in red, yellow and green for demarcation of entrance/exit etc



### Berms

A range of pop-up berms that can be used for pre-decontamination cleaning/wipe down or post decontamination.

1x1m: DSW024

2x2m: DSW025



### Signage

Custom Entry/Exit signs, instructional signage etc can be added - please discuss your requirements with the sales team



### Pre-Decon Modesty Kit

Allows contaminated casualties to change from their own garments in as dignified a manner as possible prior to decontamination. Available in infant, junior, medium adult and large adult sizes.



### Post-Decon Modesty Kit

For use after casualties have set aside their own garments and have been decontaminated in a drench shower. Packs are available in infant, junior, medium adult and large adult sizes.

# Customisation

## Colour

As standard, MFC decontamination showers are supplied in yellow, but are available in other colours to special order, and can be manufactured with white roofs/sides which provides more accurate colour vision inside the shower.

Common colours/combinations are shown in the table on the right. Yellow and white materials are in stock; for other colours, please consult the sales team, as some may be subject to a minimum order quantity or surcharge.

## Branding

Customer names or logos can be added to the shower - please discuss your requirements with the sales team

| COLOURS | Self-Colour Roof                                                                           | White Roof                                                                                 |
|---------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| White*  | <br>001 | -                                                                                          |
| Green*  | <br>104 | <br>004 |
| Orange  | <br>106 | <br>006 |
| Yellow  | <br>105 | <br>005 |
| Red     | <br>102 | <br>002 |
| Black   | <br>107 | <br>007 |

\* Flame Retardant Material

# Decontamination Shower System Components

|                                  | Single Person Decon | Single Assisted Decon | Four Person Decon | Mass Decon |
|----------------------------------|---------------------|-----------------------|-------------------|------------|
| A) Clean Water Pillow Tank       | 1                   | 1*                    | 1                 | 2          |
| B) Inlet Water Pump              | 1                   | 1*                    | 1                 | 2          |
| C) Stand Pipe & Adapter          | Optional            | Optional              | Optional          | Optional   |
| D) Water Heater (Mass Decon)     |                     |                       |                   | 1          |
| E) Sump Pump                     | 1                   | 1                     | 1                 | 2          |
| F) Dirty Water Pillow Tank       | 1                   | 1                     | 1                 | 2          |
| G) Cut-out Floor Pallet          | 1                   | -                     | 1                 | 2          |
| H) & I) Brush/Spray Gun          | 2                   | 2                     | 4                 | 4          |
| J) Clean Water Container (25ltr) |                     | 1*                    |                   |            |
| K) Portable Water Heater         |                     | 1*                    |                   |            |
| L) Bilge pump (hand)             |                     | 1                     |                   |            |
| M) Standard Floor Pallet         | -                   | -                     | 3                 | 6          |
| N) Dosatron & Trolley            | 1                   | Optional              | 1                 |            |
| O) T-Piece                       | -                   | -                     | 1                 |            |
| P) Inflatable Platform           |                     | 1                     |                   |            |
| Y) Clean Water Hoses             | 3                   | 3*                    | 4                 | 8          |
| Z) Dirty Water Hoses             | 1                   | 1                     | 1                 | 2          |

*\* For casualty decontamination  
a small 25L water container and  
portable water heater with pump is  
all that is required*





**MFC**International  
*by* RESPIREX

HELPING YOU DELIVER **RESCUE UNDER PRESSURE**

**MFC International**

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Tonypandy  
Rhondda Cynon Taff  
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