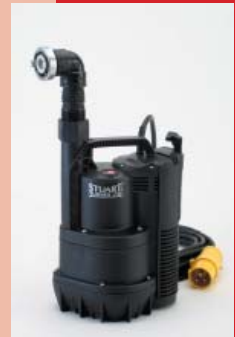
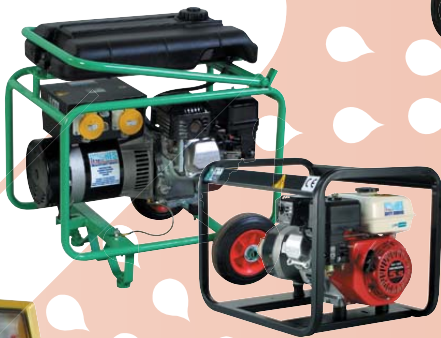


Ancillary Items For The Decontamination Shower Systems



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FLOOR PANELS

Decontamination Showers & Equipment

FLOOR PANELS - FOR FITTING INSIDE THE SUMP OF THE CUPOLADECON DECONTAMINATION UNITS

These PVC Floor Panels have been specially chosen to prevent the casualty standing in the decontamination waste and raise them up 15cm from the bottom of the sump. They have a safe surface which does not have any large holes that could be hazardous to the casualties and they are a tight fit within the sump to ensure there is no movement and no hazard from gaps around their perimeter or between the panels. Each Floor Panel incorporates nine legs to evenly distribute weight to the sump and ensure stability.

TECHNICAL SPECIFICATION

Packing (stackable)	
1 unit	1200 x 1000 x 150 mm / 7 kgs
2 units	1200 x 1000 x 205 mm / 14 kgs
4 units	1200 x 1000 x 310 mm / 28 kgs
5 units	1200 x 1000 x 365 mm / 35 kgs
6 units	1200 x 1000 x 420 mm / 42 kgs
8 units	1200 x 1000 x 530 mm / 56 kgs
9 units	1200 x 1000 x 585 mm / 63 kgs
10 units	1200 x 1000 x 625 mm / 70 kgs
12 units	1200 x 1000 x 735 mm / 84 kgs
15 units	1200 x 1000 x 900 mm / 105 kgs

CUPOLA DECON UNITS

Panel Size	1200 x 1000 mm
Ground Clearance	150 mm
Load (dynamic)	500 kgs
Load (static)	1 tonne
Usage	
CUPOLADECON 1	9 Panels
CUPOLADECON 2	6 Panels
Optional External Sump	2 Panels
CUPOLADECON 3	9 Panels
CUPOLADECON 4	12 Panels
CUPOLADECON 5	15 Panels

CUPOLA LIGHTWEIGHT UNITS

Panel Size	1200 x 800 mm
Ground Clearance	150 mm
Load (dynamic)	500 kgs
Load (static)	1 tonne
Usage	
CUPOLA Lightweight MK1	2 Panels
CUPOLA Lightweight MK2	4 Panels





Floor matting for fitting over the floor panels for the extra comfort and safety of casualties.

This Floor Matting has been specially chosen for its non-slip properties and comfort to the user. It is of cross ribbed lattice pattern and with a hole size of 7mm² will allow perfect drainage to the sump below. Further consideration has been taken for its ease and speed to fit and the fact that it will not move or wrinkle once fitted.

TECHNICAL SPECIFICATION

Material:	Vinyl Coated Polyester
Surface Finish:	Cross ribbed Lattice Effect
Product Height:	12mm nominal
Hole Size:	7mm ²
Operating Temperature:	-20°C to +60°C
Flame Retardency:	Fire tested to DIN 54332(B2)
Enviromental	
Resistance:	Suitable for wet & dry areas
UV Resistance:	Resistant to UV

FLOOR MATTING



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PORTABLE RESERVOIR



SELF-SUPPORTING PORTABLE HEAVY DUTY RESERVOIR

The Heavy Duty Reservoir is a flexible tank constructed from a tough double layered rubber coated polyester fabric and is designed to be set up in the minimum amount of time. It can be used as a water reservoir or as a temporary collecting tank for hazardous materials or liquids. When being used for contaminated waste water the reservoir is filled using the Waste Water Pump to transfer the contaminated water from the sump of the decontamination unit. The Reservoir is emptied via a drop down drain outlet fitted with 2.5" female instantaneous coupling. The top of the tank comprises an inflatable floatation collar, so that when it is filled with water the walls elevate and become self-supporting. The Reservoir is also fitted with a floating cover and is supplied in a carrying valise and comes complete with hand pump and repair kit. Its lightweight and low volume facilitates easy storage, transport and handling.

The reservoir is available in 6000 litre, 4500 litre & 2500 litre sizes.

TECHNICAL SPECIFICATION

Capacity	6000 litres
Inflation Collar Diameter	3000 mm
Filled Height	1000 mm
Size (in valise)	880 x 750 x 300 mm
Weight (in valise)	61.2 Kg
Temperature resistance	-30 to +90°C
Set up time	1 minute

Capacity	4500 litres
Inflation Collar Diameter	2700 mm
Filled Height	1000 mm
Size (in valise)	750 x 725 x 250 mm
Weight (in valise)	51.9 Kg
Temperature resistance	-30 to +90 0 C
Set up time	1 minute

Capacity	2300 litres
Inflation Collar Diameter	2000 mm
Filled Height	900 mm
Size (in valise)	650 x 500 x 210 mm
Weight (in valise)	30.2 Kg
Temperature resistance	-30 to +90 0 C
Set up time	1 minute



WASTE RECEPTACLES FOR CONTAINMENT OF EITHER WASTE WATER OR CONTAMINATED CLOTHING OR EQUIPMENT.

These Waste Receptacles are mounted on pallets and are made from heavy duty woven polypropylene which incorporates side pockets for the fitting of MDF board side panels. These side panels allow the unit to be used for the storage of waste contaminated water and enable them to be stacked on top of each other. When being used as a waste water receptacle a 1000 litre polyethylene bag is placed inside the unit which is filled from the Waste Water Pump. When the bag is full it can be capped off and then loaded onto a vehicle by fork lift truck. For storage when empty, several waste receptacles can be piled on top of one another and strapped to an equal number of stackable pallets. These can also be easily handled by fork lift truck for quick deployment.

TECHNICAL SPECIFICATION

OUTER BAG

Model:	LCE-100L-BH
Capacity:	1000 Litres
Unit size (collapsed):	1100 x 975 x 70mm
Unit size (filled):	1100 x 1100 x 1000mm
Unit weight (empty):	MDF 9mm - 32kgs
Unit weight (filled):	1032 kgs
Pallet size:	1143 x 1143 x 135mm
Stacking:	4 Units with 1.35 S Gravity
Discharge:	Corner
Fill:	Top Gland
Handling:	Pallet bottom handling

INNER LINER BAG

Liner type:	Pillow
Standard materials:	LLDPE
Barrier materials:	None
Discharge:	2" BSP gland
Fill:	2" BSP gland



WASTE RECEPTACLE

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WASTE WATER PUMP

Decontamination Showers & Equipment



Note: photo shows Geka type couplings (not Stortz).

WASTE WATER PUMP FOR PUMPING WASTE WATER FROM THE DECONTAMINATION UNIT SUMP AND TRANSFERRING IT TO THE PORTABLE RESERVOIR OR WASTE WATER RECEPTACLE.

A modified centrifugal pump has been chosen which has special hard seals fitted to ensure longer life when run dry. An on/off switch has also been fitted to enable it to be easily turned off when not needed. The body of the pump is colour coded green to ensure it is easily identified as part of the equipment for the decontamination unit.

Both inlet and outlet are fitted with D25 Stortz couplings to allow it to be easily connected to the Stortz couplings on the drain sump outlets on the decontamination unit. A handle has also been fitted to ensure safe and easy handling of the unit, even when hot. For connection to Generator electricity supply a flying lead is fitted which incorporates a 110v IP23 plug.

TECHNICAL SPECIFICATION

PRODUCT DESCRIPTION

Pump - Centrifugal type, suitable for pressure boosting, fluid transfer and distribution. They are suitable for flooded suction applications.

Motor - Induction Type, totally enclosed fan ventilated cooling, continuously rated, class 'F' insulation. Motor complies with BS5000 or IEC34-1. Single phase versions incorporate a permanent capacitor and integral auto resetting thermal overload protection.

GENERAL FEATURES

Model: 904
Body: Brass
Impeller: Acetal

Shaft: Stainless steel
Mechanical seal: Silicon Carbide on Carbon/Nitrile
Dimensions: 320 x 160 x 200mm
Weight: 9kgs

LIMITS OF APPLICATION

Max. liquid temp: 80°C
Min. liquid temp: 4°C
Max. ambient temp: 40°C
Max. suction lift: 4.6m
Max. head (Pump closed valve): 10m
Duty Head: 8.3 metres @10l/min
2.0 metres @ 130l/min
Max. Viscosity: 50 Redwood No.1 Scale
9.5 centistokes
Max. working pressure: 5 Bar
Max. No. starts: 60/hour

VA600 SUBMERSIBLE PUMP



The VA600 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.

Note: To pump is fitted with a Storz coupling to connect to a waste water pipe.

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.

FEATURES

- Automatic-vertical float switch
- Switch for automatic/manual mode
- Suction depth of 3-6 m
- Handle suspended solids up to 2mm diameter
- Motor can be partially submerged for short term operation
- Minimum water depth needed of 15 mm to prime
- Top vertical outlet connection
- Non-return valve

MATERIALS

Body	Polypropylene
Impeller	Noryl
Motor Casing	304 Stainless Steel
Pump Shaft	304 Stainless/Ceramic
Seal	Three Separate Lip Seals

OPERATING CONDITIONS

Max. Water Temp.	35°C
Min. Water Temp.	4°C
Max. Immersion Depth	7m
Max. Float Travel On/Off	110mm

TECHNICAL SPECIFICATION

Motor*	230/1/50
Pump Connection Size	G1½ male.**
Nominal Watts	350
Watts (full flow)	508
Amps (full load)	2.5
Carton Dims (mm)	430 x 240 x 210
Gross Weight (kg)	5.7

* Built to IP68, all motors are designed for continuous running and feature thermal overload protection. A residual current device having a rated current not exceeding 30 mA must be installed in the supply circuit.

** Supplied with a hose union offering G1½ or G1 Male (38 or 25mm) hose.



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WASTE WATER OUTLET HOSE

Decontamination Showers & Equipment



8 METRE WASTE WATER OUTLET HOSE FOR CONNECTING THE WASTE WATER PUMP TO THE PORTABLE RESERVOIR OR WASTE RECEPTICLE

Clear reinforced PVC suction/discharge hose; the inlet end is fitted with Stortz coupling to connect to the waste pump, with the discharge end incorporating a lever operated full bore control valve.

Details: 25 mm (1") bore hose, 8 meters in length and fitted with 25mm (1") Stortz D25 coupling and control valve.

The Outlet hose is suitable for use for all waste outlet pumps.

DOSATRON INDUCER KIT



TWIN INDUCERS FOR EFFECTIVE DECONTAMINATION.

Chemical Induction Kit which allows detergent to be induced into the water flow to significantly increase the effectiveness of a decontamination shower. The kit comprises of a Dosatron Stand and either 1 or 2 types of Dosatron Inducers, dependant on decontamination requirements. Although primarily supplied as a kit, all components are also available individually.

The Dosatron Stand, designed with both storage and operational use in mind, incorporates a drip tray for the placing of the chemical containers; this also ensures optimum stability when in use. The frame is colour coded green to ensure it is easily identifiable as part of the equipment for the decontamination unit. In the stored position the inducers have a stable base and carrying handle, when in use the carrying handles extends telescopically and locks into a predetermined position to ensure the inducers are in exactly the right position for optimum performance.

A choice of inducers can be fitted to the stand dependent on the concentration of detergent or additive required for the decontamination process. When decontaminating the general public it is envisaged that only low concentrations will be required and therefore inducers with a range of 0.2 – 1.6% will be adequate. When used in conjunction with the CUPOLAdacon 1,3,4 or 5, two detergents/additives can be induced simultaneously into the primary decontamination system and the secondary system can be used for water wash down only. Alternatively, one inducer can be used to feed the primary decontamination system (Stage 1) and the other can be used to induce a saline concentrate into the wash down secondary decontamination system (Stage 2). The percentage flow rate for the additive can be easily adjusted within the range of the inducer's design parameters.

When decontaminating Emergency Services personnel it is envisaged that both high and low concentrations will be required and therefore inducers with a range of 2 – 10% and 0.2 – 1.6% will be adequate. When used in conjunction with the CUPOLAdacon range, a high concentration inducer can be used to feed the primary decontamination system, and a low flow rate inducer can be used to induce a stabilising chemical into the water flow of the secondary system.



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DOSATRON INDUCER KIT

Decontamination Showers & Equipment

TECHNICAL SPECIFICATION

Type: DI 0.2-1.6

Operating practical flow rate: from 10 l/h to 1500 l/h

Operating pressure: from 0.3 bar to 6 bar

Adjustable dosage: from 0.2 % to 1.6 %

Maximum suction height: 4m [13 ft]

Head loss at max. flow rate: 1.4 bar [20 PSI]

Maximum operating temperature: 40°C [104°F]

Built-in motor protection filter: 350 microns [50 mesh]

Suction pipe: Length 120 cm [47"]

Inner/External Diam. 6 x 9 mm with 300microns strainer [50 mesh] and ballast

DIMENSIONS

Overall size: Dia.16 x L.16 x H 51 cm

[6 1/4" x 6 1/4" x 20 1/5"]

MATERIALS

Body & bell: Delrin

Dosing system: Polypropylene, polyethylene

Piston: Polyurethane, nylon, nitrile, delrin

Type: DI 2-10

Operating practical flow rate: from 10 l/h to 2500 l/h

Operating pressure: from 0.5 bar to 4 bar

Adjustable dosage: from 2 % to 10 %

Maximum suction height: 4m [13 ft]

Head loss at max. flow rate: 1.7 bar [24 PSI]

Maximum operating temperature: 40°C [104°F]

Built-in motor protection filter: 350 microns [50 mesh]

Suction pipe: Length 120 cm [47"]

Inner/External Dia. 12 x 16 mm with bottom valve strainer and stainless steel ballast

DIMENSIONS

Overall size: Dia.16 x L.16 x H 51 cm

[6 1/4" x 6 1/4" x 20 1/5"]

MATERIALS

Body & bell: Delrin

Dosing system: Polypropylene, polyethylene

Piston: Polyurethane, nylon, nitrile, delrin

The equipment covered within this document is discussed as a complete set, however all components within the set are available individually as follows:

HPX10100

DI16 DOSATRON INJECTOR 0.2 - 1.6% RANGE.
ADJUSTABLE CHEMICAL INJECTOR.

HPX10110

DI210 DOSATRON INJECTOR 2 - 10% RANGE
ADJUSTABLE CHEMICAL INJECTOR.

HPX10115

GREEN POWDER COATED FRAME FOR DOSATRON INJECTOR UNITS



ELECTRIC AIR INFLATOR FOR INFLATION OF THE CUPOLAdecon DECONTAMINATION UNITS, INCLUDING INFLATION HOSE.

Professional electric inflator designed for heavy duty inflatables.
 High air volume (1500 ltr per minute) and pressure of 250 mbar, which is sufficient to reach the correct pressure in every kind of rubber boat and/or inflatable structure.
 Provided with connectors for any kind of use. Designed to inflate and deflate

TECHNICAL SPECIFICATION	
Volts	230V (or 110V)
Output	1500 Ltr/Min
Total working pressure	3.3 PSI
Height	33cm
Length	21cm
Width	23cm
Weight	4Kgs



AIR REGULATOR & HOSE FOR INFLATING THE CUPOLAdecon DECONTAMINATION UNIT FROM STANDARD BA CYLINDERS.

The Air Regulator is set such that it reduces the pressure of the air in the cylinder from 300 bar to a safer working pressure of 125 psi. The regulator incorporates the standard DIN type inlet fitting and has a pressure guage to make it possible to check the contents of the cylinder. The regulator is fitted with a reinforced hose which incorporates a Rectus type 25KS NW 7.8 fitting on the end for safe connection to the matching fitting on the CUPOLAdecon decontamination unit.

AIR INFLATION



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PORTAheater 100/50



PORTAheater 100/50 PORTABLE HIGH FLOW RATE MULTI-FUEL WATER HEATER CAPABLE OF DELIVERING WARM WATER TO ALL SHOWER HEADS ON A CUPOLAdecon DECONTAMINATION UNIT.

The PORTAheater 100/50 boiler is of the pressure jet, continuous ignition type. It has a capacity of 200,000 BTU's and runs on 28s Kerosene or Diesel. It has the capability to heat cold water from a pressure between 2 and 6 Bar to a temperature of 30 Deg.C at a flow rate of 75 litres per minute (higher temperatures available if requested). The cold inlet is fitted with a flow regulator with integral filter, as well as a flow switch to prevent the boiler running without water. A dual thermostat is fitted, low limit for required temperature, high limit for safety. The boiler feeds two warm water outlets which are each fitted with thermostatic high flow rate mixing valves, which incorporate over-temperature protection for further safety. These are preset to 30 Deg.C, but are adjustable from 20 Deg.C up to 40 Deg.C should this be found necessary depending on the decontamination that is required. Two temperature gauges are fitted along with a pressure gauge to enable the water to be monitored at all times and adjusted if necessary. The gauges are mounted on a panel under the lid of the unit and can be seen through an unbreakable polycarbonate window fitted in the lid. A 110 (or 240) volt electrical socket is fitted for connection to a Generator. An on/off switch is fitted to enable the boiler to be switched off when not needed. All electrics are terminated within IP65 weatherproof junction boxes. All water connections, both inlet and outlet, are fitted with 19mm($\frac{3}{4}$ ") Geka quick couplings. An extra cold water outlet is also fitted should this be required to feed ancillary equipment that may be brought to the scene of the incident for when warm water is not required. The PORTAheater is totally protected by a sturdy 40mm stainless steel frame and zinc plated heavy duty panels, which can be colour coded to ensure the unit is easily identified as part of the equipment for the decontamination unit (alternatively a drab olive green version is available for military applications). No fittings stand proud of the frame or panelling to ensure no damage can happen to the unit whilst being handled or stored. The frame incorporates four unique fold down stainless steel handles and two wheels to allow easy handling and movement of the unit. A retractable fuel hose is fitted with a quick release fitting to enable the unit to be connected to a separate fuel tank. The above unit can be used in conjunction with the Misc Hoses supplied. One fuel tank is supplied with the unit and can also be used to top-up the fuel tank on the Warm Air Heater which can also be supplied with the CUPOLAdecon decontamination unit.

Note: If the PORTAheater 100/50 is not required, our Water Inlet Manifold can be used.

TECHNICAL SPECIFICATION

<u>WATER FLOW</u>	
Max. Pressure:	6 bar
Min. Pressure:	2 bar
Normal Water Pressure:	5 bar
Flow Rate:	75 litres/minute
Mixing Valves:	2 Thermostatic with over temperature protection
Temperature:	Preset to 30°C (Adjustable from 20°C to 35°C)
Inlet/Outlet:	25mm(1") /19mm(¾") - Geka quick couplings
Cold Inlet:	Fitted with pressure reducing valve and combined filter
Flow control:	Flow switch to prevent the boiler running out of water
<u>ELECTRICS</u>	
Nominal voltage:	110v - Single phase (240v available)
Nominal frequency:	50 Hz (60Hz available)
Termination:	IP65 junction boxes
<u>FUEL</u>	
Fuel type:	Multi-fuel (28s Kerosene or Diesel)
Fuel Hose:	Retractable with quick release fitting
Tank capacity:	2 x 23 litres
<u>BOILER</u>	
Burner type:	Continuous ignition capable of 200,000 B.Th.U/h (BTU)
<u>MOTOR</u>	
Fuel consumption:	110v / ac 130watts (240v/ac available)
Running time:	4.5 Litres/hour
	10 Hours
<u>MATERIALS</u>	
Frame:	40mm stainless steel
Panels:	Zinc plated heavy duty
Handling:	2 Wheels & 4 fold down stainless steel handles
<u>MONITORING</u>	
	2 Temperature gauges, 1 pressure gauge
<u>DIMENSIONS</u>	
Length:	775 mm
Width:	670 mm
Height:	705 mm
Weight:	115 kgs

PORTAheater 100/50



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WATER INLET MANIFOLD

Decontamination Showers & Equipment



WATER INLET MANIFOLD.

A water inlet manifold has been developed for connecting the CUPOLAdecon decontamination shower system to a standard type Fire Brigade 2 ½" instantaneous hose connection (other fittings can be supplied on request). This manifold consists of a 2 ½" stainless steel branch pipe fitted with three 1" quarter turn quick opening ball valves which incorporate 19mm (¾") Geka outlets for fitting to the shower feed hoses.

Note: The above is used in conjunction with the Misc Hoses.

If a PORTAheater 100 is required then the Manifold is not required.



MISCELLANEOUS HOSES FOR THE INTERCONNECTION OF THE PORTAheater 100, WATER INLET MANIFOLD AND THE TWIN INDUCER.

A set of three tricoflex hoses fitted with Geka quick couplings for inter connection between either the PORTAheater 100 or the water inlet manifold, if the chemical inducers are required.

Details:

3 off - 19mm ($\frac{3}{4}$ ") yellow reinforced hose, 2 metres in length, each fitted with 2 off 19mm ($\frac{3}{4}$ ") Geka quick couplings.

MISCELLANEOUS HOSES



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WARM AIR HEATER AND AIR VENTILATION FAN FOR CONNECTING TO THE VENTILATION TUBE ON THE CUPOLdecon DECONTAMINATION UNIT.

This dual role unit is an indirect high output air heater which incorporates a heat exchanger to heat the air without allowing the fumes to pass into the decontamination unit. During warm weather it can be used just as a fan to ensure a high circulation of air and therefore avoid a build up of potentially dangerous toxic gases or vapours within the unit which could prove to be harmful to the users of the decontamination unit. This air heater incorporates a large capacity built in fuel tank to give an operating period of over 10 hours. It is also colour coded to ensure it is easily identified as part of the equipment for the decontamination unit (alternatively a drab olive green version is available for military applications). It uses 28s kerosene or diesel fuel which is the same fuel as used by the PORTAheater 100 Water Heater and can be topped up using the separate fuel tanks supplied with the PORTAheater 100. For ease of movement it is fitted with wheels and has a handle to improve manoeuvrability, even over rough terrain.

It is easily connected to the decontamination unit ventilation tube using an external 30cm(12") tube which has Velcro fitted within its end. This tube is permanently fitted to the CUPOLdecon decontamination unit.

All electrics are enclosed within an IP65 weatherproof enclosure.

TECHNICAL SPECIFICATION

Note: Different sizes and models are available.

"Mobile, oil-fired hot air generator with closed combustion chamber and connection duct to a stack for fume exhaust"

Fuel type:	Multi-fuel(Red Diesel or Kerosene)
Sound pressure:	70 dB/A
Voltage:	240v/110v/50 Hz
Stack Diameter	140 mm
Running time:	10 hrs +

AIR HEATER

DECON ROLLER BED - SPINAL BOARD CARRIER



Skate wheel Expandaveyor showing the closed position. The same unit opened is four times its closed length when straight and over three times when curved.

Provides "no tools required" installation. The Permanent Quick Connect simplifies field assembly, enabling one person to easily and permanently connect conveyors. Connecting brackets are zinc-plated, 11-gauge steel. Assembly of the hand knob sets and lock washers that make a secure and permanent connection can be completed without tools. Both sides of the conveyor operate independently across the connection, allowing one portion of the conveyor to be opened or closed before the adjoining portion. This feature makes the conveyor easier to maneuver. Additional links can be added to maintain curves in shipping and receiving applications.

STANDARD FEATURES

- 50mm dia. Double ball race, shock resistant wheels or rollers.
- All metal parts bright zinc plated steel.
- 100mm dia. Swivel castors with brakes.
- All axis 8mm dia. Protected by A.S.S. plastic tubing.
- Telescopic leg supports (choice of three sizes) with manual contoured knob.
- Spinal Boar (optional).

TRACK WIDTHS

- 400mm
- 500mm
- 600mm

Overall width = Track width plus 62mm

LENGTHS

Expanded	1.5	2.0	3.0	3.5	4.5	5.0	6.0	6.5	7.5	8.0	9.0	9.5
Roller	0.7	0.9	1.4	1.6	1.9	2.2	2.6	2.8	3.2	3.4	3.8	4.0
Wheel	0.5	0.6	0.9	1.0	1.3	1.4	1.7	1.8	2.0	2.2	2.6	2.6

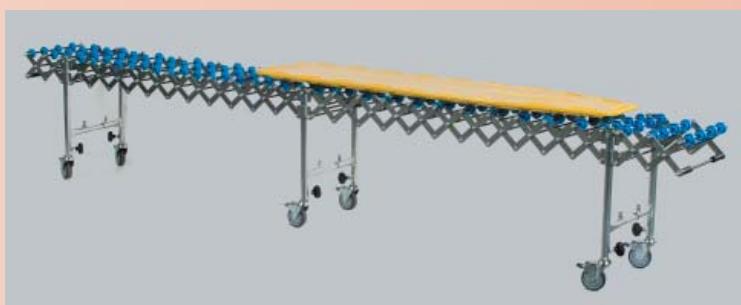
HEIGHTS

	Min	Max
Option 1	450 mm	700 mm
Option 2	650 mm	1100 mm
Option 3	900 mm	1600 mm

LOADINGS

Kg/m (roll-on at maximum expansion)

	400 mm	500 mm	600 mm
Skate Wheel	80	85	100
Roller	100	120	125



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ROLLER BED

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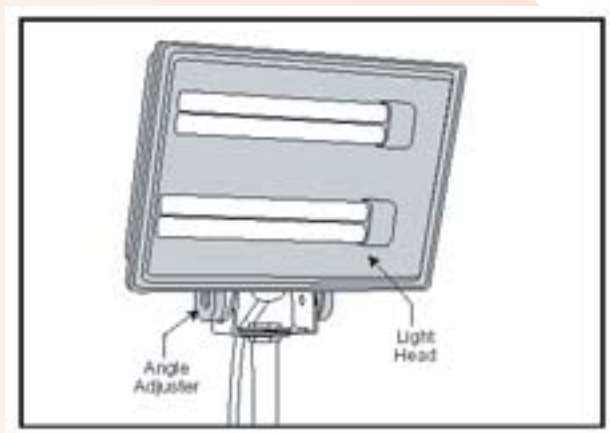
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LIGHTING



LIGHT UNITS INCORPORATING LIGHT HEAD, EXTENDABLE POLE AND STACKABLE LIGHTWEIGHT BASE.

The light head incorporates 2 x 18 watt 110v compact fluorescent lamps which have an output similar to a 500 watt halogen (3500 lumens). It is 270mm square and is made from toughened yellow and clear polycarbonate, weighing only 2 kg. The back of the light is fitted with a standard 110v socket and also has a 17 metre length of yellow cable wired into it which has a 110v plug for connecting to the Generator electricity supply. With the plug and socket arrangement this allows all lights to be linked together and fed from a single supply alleviating the need for extension leads and multiple sockets. A pole mounting bracket, which allows the angle of the light head to be adjusted, is fitted and securely mounted onto a lightweight telescopic three piece composite fibreglass pole. These poles are very easy to extend and have no dangerous parts. They are easy to clean and have antibacterial properties. The poles are placed within specially designed bases which are stackable for easy storage. When used in conjunction with the CUPOLAdacon 2 the bases are designed to fit under the decontamination unit making them inherently stable. When used as stand-alone lighting they have a perforated steel platform for weighting down. The lighting units, with the exception of the light heads, are colour coded green to ensure they are easily identified as part of the equipment for the decontamination unit.



Each lighting head consists of two fluorescent low wattage lights, which require very little power.

TECHNICAL SPECIFICATION

24V LUMENA LIGHT HEAD

Lamps:	2 x 18w compact fluorescent lamps (3500 lumens output) equivalent to 500w halogen.
Voltage:	110v Frequency 50Hz
Cable lead length:	18 metres with 110v industrial plug to BS4343
Cable entries:	(1 x outlet) industrial socket to BS 4343
Mounting:	Adjustable angle head bracket with tube adaptor for fitting to pole
Lens material:	Toughened polycarbonate
Finish:	Yellow rear enclosure with clear lens
Degree of protection:	IP65
Length:	270mm
Width:	220mm
Height:	150mm
Weight:	2 kgs

FIBREGLASS POLE KIT

Pole:	Anti-static fibreglass
Length:	4 metres (3 stage telescopic with positive clamp lock)
Tube:	Sized to fit light mounting bracket
Colour:	Green tubing with black clamp locks

LIGHTING



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GENERATOR SETS FOR SUPPLYING ALL THE ELECTRICAL REQUIREMENTS FOR THE ANCILLARY ITEMS NECESSARY FOR THE EFFECTIVE USE OF THE CUPOLADECON DECONTAMINATION UNIT.

These Generator Sets have been chosen for their small size and high output as well as the number of electrical output sockets. Consisting of a 5.5 horse power Honda engine coupled to a 3.5 Kva centre tapped to earth alternator which is fitted with 6 circuit breaker switches, one on each electrical outlet socket, and the other two are system wide circuit breakers. Four 110v electrical sockets are fitted which are standard yellow weatherproof (IP23) fittings suitable for outdoor use. A fuel tank is fitted above the engine and the frame has been colour coded green to ensure it is easily identified as part of the equipment for the decontamination unit.

Generator sets are available in many different configurations according to customer requirements. The details shown on this leaflet are for our most popular sets.

GENERAL FEATURES

GENERAL FEATURES

Emergency nominal power:	1 phase
	3.5 kVA
	2.8 kW
Continuous nominal power:	3.18 kVA
	2.55 kW
Power factor:	0.8 cosφ
Nominal voltage:	110 Volt
Nominal frequency:	50 Hertz
Alternator connections:	SINGLE PHASE
Battery charge:	0 Volt cb 0 Amp cb

Reference conditions as DIN 6271, altitude 100m above sea level, temperature 27°C, humidity 60%

GENERATOR SETS

TECHNICAL SPECIFICATION

ALTERNATOR

Brand:	MECC-ALTE S.p.A.
Model:	AR1 3.5kVA - CTE
Outlets:	4 IP23 sockets
Standard speed:	3000 RPM
Voltage:	110 CT Volt
Frequency:	50 Hz
Nominal power:	3.5 kVA
Power factor:	0.9 Cosφ
Active power:	3.15 kW
Efficiency 3/4 load:	75 %
Maximum admitted overload:	10% for 1hr every 6h
Voltage system regulation:	CAPACITOR
Circuit breakers:	6 - one for each outlet, one for system @ 110v and one for system 240v

ENGINE

Make:	HONDA
Model:	GX 200
Stroke:	4
No. and cylinder disposition:	1 INCLINED
Cubic cc:	196 ccm
Aspiration:	NATURAL
Cooling system:	AIR
Starting system:	RECOIL
RPM:	3000 RPM
Continuous HP DIN6270B:	5.5 Hp
Power DIN70020:	6.5 Hp
Oil Capacity:	0.6 Litres
Max water capacity:	0 Litres
Approx consumption 3/4 charged:	1 Litres/hour

OVERALL DIMENSIONS & WEIGHT

Length:	625 mm
Width:	455 mm
Height:	415 mm
Weight:	54 kg
Fuel tank capacity:	3.5 Ltrs
Running time Approx 3/4 load:	3.5 Hrs
Noise level at 7 mts:	73 dB(A)
Noise level:	98 LWA

GENERATOR SETS



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MISCELLANEOUS ELECTRICAL CONNECTIONS AND WIRES.

Comprising one 25 metre 16 amp extension lead, with integral overload cut out trip and double plug socket.

**MISC' ELECTRICAL
CONNECTIONS & WIRES**



THERMAL COVER DESIGNED TO COVER THE CUPOLAdacon DECONTAMINATION UNIT AND PROVIDE A DEGREE OF THERMAL INSULATION.

Manufactured from 300Den 75 filament CF Delta Cross Section Polypropylene, Outdoor stabilised material finished in white. The cover is easily attached to the CUPOLAdacon decontamination units main frame by a series of quick release clips. Air vents that correspond to the air vents in the CUPOLAdacon decontamination units are standard. Windows can be provided at extra cost.

Note: The Thermal Cover can also be manufactured from a camouflaged material or can be in plain drab olive green to BS 381c/298

THERMAL COVER



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MOBILE MULTI-PURPOSE AC/HEAT UNITS

HC-7000



A/C 110 Volt, 20 Amps
R-22 Freon BTU 14,000 CFM 530

Heat 2.69 KW Heat Strip
30 Amps BTU 9,180 CFM 530

Dimensions:
H = 46"
W = 22"
D = 30" 10" Wheels

Available in customs colours or standard
white, yellow.



MC 2055SATX



A/C 110 or 240 Volts, 20 Amps
R-22 Freon BTU 13,500 CFM 530

Heat 2.52 KW Heat Strip
21 Amps BTU 8,600 CFM 530

Dimensions:
H = 18"
W = 37"
D = 27" 10" Wheels

Available in customs colours or standard
white, yellow.

ACCESSORIES



Heavy duty Duct Hose with adjustable
strap. Works on both the HC-7000 and MC
2055SATX Mobile AC/Heat Units.

MOBILE MULTI-PURPOSE
AC/HEAT UNIT

PORTABLE ULTRASONIC ATOMIZER



Portable Ultrasonic Atomizer for decontamination and disinfection; dispenses an atomized solution at a rate of 8 litres per hour to dampen the contaminated surface without the excessive wetting associated with conventional spray nozzles. The trolley mounted system incorporates two cylinders – one of compressed air, the other containing the solution. (please note air cylinder & solution not supplied as part of unit). Consisting of one 14 litre stainless steel chemical tank, a portable two wheeled stainless steel trolley, a hand held atomizer gun fitted to flexible feed pipes, air pressure regulators and chemical control valve.

The ultrasonic atomizer is trolley mounted for portability. The system has a self contained tank which makes it fully independent from any supply line. It is controlled through the regulating valves incorporated within the control panel and is charged from a standard 9 litre (or 7 litre) breathing apparatus air cylinder carried in the trolley. It is typically used for the decontamination and disinfection of confined areas where germs or bacteria need to be safely eliminated, or where chemicals need to be neutralised. Pre mixed solution is dispersed at a rate of 8 litres per hour, and, dependent on the solution being used, the atomized solution also allows safe decontamination or disinfection in areas where there may be technical equipment.

TECHNICAL SPECIFICATION

Model type	052H
Premixed solution flow rate	Nominal 8 litres per hour
Air consumption	113 litre per minute
Nominal microns	3 - 5
Solution cylinder capacity	14 litres
Maximum operating pressure	7 Bar
Standard 200-300 bar air cylinder (not supplied as standard)	
Total weight (empty without air cylinder)	22 kgs
Height	111 cm
Width	48 cm
Depth	56 cm

WARRANTY INFORMATION

The model offered would be guaranteed against bad workmanship or faulty materials for a period of 12 months from despatch our works.



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WALL MOUNTED ATOMIZER

Decontamination Showers & Equipment



Wall Mounted Ultrasonic Atomizer for decontamination and disinfection;

The atomizer unit consists of an adjustable wall mounted mixer unit and atomiser nozzle, a water/chemical supply cylinder, an air cylinder pressure regulator, a standard breathing air cylinder (optional), and a wall mounted control panel.

The breathing air cylinder pressure regulator is set at 5.0 bar.g and feeds air to the control panel via a timed solenoid valve (see Hughes Timer Operating and Settings Instructions attached for timer settings).

The water/chemical cylinder is filled with decontamination/disinfection fluid, and then charged with compressed air via the control panel to feed the fluid to the atomizer nozzle. The air hose inlet connection is coloured grey, and the fluid outlet connection is coloured black.

Sterichelle - Environmental Surface Disinfection, used in conjunction with the Wall Mounted or Portable Atomizer.

After more than 15 years of research, development, testing and practical application, SteriChelle Disinfectant has proven it is capable of controlling bacteria, viruses, fungus, mold & mildew on all surfaces. This remarkable formulation is proven to have all the chemical properties required to combat the new and the old causes of disease, illness and material destruction. A disinfectant (chemical germicidal agent) formulation that combines a specific Organotin/Quaternary, as its active ingredients, blended with proprietary inerts, as its inactive ingredients. This specific formulation has an effectiveness combined with a stability not found in other chemical disinfectant formulations in general use today and is therefore ideally suited to the decontamination of casualties who have been contaminated with biological agents.



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