

SPECIFICATION FOR AMS DECONTAMINATION UNIT

THE “MINI”



DIMENSIONS & WEIGHTS

BODY LENGTH:	2950mm
LENGTH INC. 'A' FRAME AND COUPLING:	4150mm
WIDTH:	2000mm
HEIGHT (INTERNAL):	2010mm
OVERALL HEIGHT FROM FLOOR:	2570mm
GROSS LADEN WEIGHT:	1500Kg
UN-LADEN WEIGHT:	1000Kg
DIRTY END:	875x1808mm
SHOWER AREA:	900x1808mm
CLEAN END:	1120x1808mm

ROLLING CHASSIS

The chassis is constructed completely out of galvanized rolled steel to give strength and provide long lasting durability. It is constructed in such a way as to give an inboard wheel configuration with the wheels in arches.

To the chassis is fixed an Avonride galvanized axle and overrun coupling complete with parking brake and jockey wheel. The coupling and axle are connected via rod and cable.

Each corner has a wind down steady to stabilize the unit once uncoupled on site.

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FLOOR

The floor is constructed out of WBP plywood, which is treated before being bolted to the chassis. A heavy duty industrial vinyl floor covering is bonded to the floor in both the clean and dirty end's of the unit and is fully sealed to prevent any ingress of water.

The shower has a heavy duty industrial vinyl fitted which has a 2mm emboss to help prevent slipping. The vinyl runs up the walls of the shower tray with the corner seams hot welded to ensure water tightness. Finally the tray is trimmed in aluminium.

There are four drainage points set into the floor, one in the dirty end and one in the clean end. The shower area has two drainage points that are diagonally positioned within the central shower area.

BODY

The main body panels are constructed out of 11mm GRP coated plywood, which has a smooth gloss finish.

The front of the trailer is aerodynamically enhanced, by the fitting of a fibreglass nosecone. All the services are contained within the nosecone giving more space in the clean end.

All the corners are capped in anodised aluminium.

Grab handles are fitted front and rear to aid manoeuvrability.

Fixed ventilation is provided.

The doors are fitted with flush fitting locking handles together with 'T' handle locks for extra security, or alternatively with keypad locks. Both the dirty and clean end doors are fitted with a strong overhead door closer.

ROOF

The roof is constructed out of a fibreglass panel supported by roof joists inside an anodised aluminium frame. The interior is of polyester faced board.

PARTITIONS

The trailer is divided into three compartments by the fitting of partitions. These consist of 14mm GRP coated plywood being the same material as the trailer body.

Both partitions will have a centrally located door fitted with a door closer. Both doors close in the direction of the negative pressure unit to create a stronger seal.

The door between the clean end and the shower area is fitted with a vent positioned towards it's base. Whilst the dirty end door has a vent fitted nearer the top with a hinged flap protecting the external (dirty) side.

INTERNAL FITTINGS

A bench seat and a 900mm electric tube heater are provided in each end. In the clean end there are also eight coat hooks and eight lockers together with a fixed mirror. The lockers each have a socket to charge respirators.

PLUMBING

Water is heated via a Britony chaffoteaux gas boiler, which is mounted internally in a housing located centrally on the front bulkhead and connected to a flue. The Britony operates at 11 litres per minute and has an electronic ignition. Gas is supplied by the customer's own gas cylinder, which is located in an insulated compartment (room for two cylinders) located in the new AMS nose cone.

The waste system is pumped directly from the shower tray through a twin pod filter firstly through a 25micron filter then a 5micron filter to provide optimum performance. This filter is positioned under the front bench is fed from all four drainage points.

Two thermostatically controlled shower units are fitted, complete with shower heads. A small hand basin is fitted in the shower area (to facilitate the washing of masks etc.), with drainage via the points in the floor.

There are four drain-off points (2 at the front and 2 at the rear) to enable the system to be completely drained down and help prevent frost damage in cold weather.

A lead and connectors are provided to enable connection to an external water supply.

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240V ELECTRICS

Fed through a 16amp flush mounted mains inlet socket and 6-way consumer unit complete with residual current detector. The consumer unit enables a quick and easy detection of individual faults, whilst a lead is supplied to connect the inlet socket to an external electricity supply.

Eight sockets are fitted, one in each of the lockers to enable respirators to be charged.

Each area has a 28 watt splash proof light fitted centrally to the roof.

An AMS Negative Pressure Unit (NPU) is fitted in the dirty end beneath the bench. An NPU is a filtered extraction system that operates on a timer with the internal lights, which allows it to run for 20 minutes after the lights are switched off to cleanse the air in the unit. Air is drawn through a two-stage filtration system consisting of: -

Pre-filter – removes non-asbestos contaminants from the air, therefore prolonging the life of the Secondary Hepa filtration system.

Hepa filter – designed to remove all remaining airborne contaminants, including asbestos, down to a minimum particle size of 0.3 microns.

The NPU works in conjunction with the ventilation system to draw airflow from the clean end through the partition vents to the dirty end and out through the filter.

12V ELECTRICS

Full MOT lighting is fitted to the unit, which is fed via a standard 7 pin plug that is connected to the socket on the towing vehicle.

OPTIONAL EXTRAS



WATER TANK AND PUMP

A polypropylene water tank (100 litre) can be supplied and fitted together with a suitable pump to provide an on-board water supply. This is usually fitted in a self-contained compartment below the bench in the clean end with maintenance access through a sealed lid, and the ability to fill the water tank from inside the unit via a water filler system similar to a petrol cap on a car. This is fitted horizontally on the bench to enable filling from a lipped bucket. A larger (125 litre) tank is possible in the 3.6m & 4.2m models.

GENERATOR

A Honda powered 2.7 KVA petrol generator can be offered fitted in a specially designed compartment within the nosecone providing an independent unit once connected to the mains inlet socket with the lead provided. This can also be fitted with An LPG conversion kit. A 3.5kva generator is offered as an extra cost option.



KEYPAD LOCKS

Keypad locks (with optional holdback) can be fitted to the external doors to provide keyless security.

REGULATIONS

All units comply with EH47/HSG247 regulations.