

Ultrasonic Atomizer **Back Pack** MBU/2L



ULTRASONIC
ATOMIZER
BACK PACK
MBU/2L



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Ultrasonic Atomizer **Back Pack**

MBU/2L



Ultrasonic Atomizer Back Pack

The Hughes Ultrasonic Atomizer Back Pack has been developed to be used for CBRN decontamination, infection control and mould abatement by professionals.

Hughes Emergency Systems has a range of formulated chemicals and treatments to deal with any type of chemical or biological requirement as well as treatments that can provide an antimicrobial coating to almost any surface (Hughes Technical Team can advise on request). This unique system can deliver medical grade chemicals and increase their efficacy, and in most cases the chemicals can be stored within the unit for a length of time. The atmospheric spray is delivered at around 10 microns which means that this is a very cost-effective and efficient way to deliver any solution without overloading the surface it is being applied to.

The controls on the Back Pack allow the system to deliver all types of liquids at various viscosities as a controlled spray or mist. The chemical cylinder can be changed with ease if different treatments are required. With all of the treatments Hughes offer, we can provide a turnkey protocol that enables the user to meet their requirements with the minimum of training.

ULTRASONIC ATOMIZER BACK PACK MBU/2L

The Hughes Ultrasonic Atomizer Back Pack is a self-contained system that can deliver either a mist or coating of atomized spray to a surface or area requiring decontamination or infection control.



Back Pack Atomizer

STANDARD ITEMS

- Fully adjustable gel padded harness
- Control panel
- Padded cylinder cover and chemical label sleeve
- Trigger operated handheld gun with self-retracting nozzle and retaining clip
- Pressurized 2 litre chemical cylinder
- 300 BAR air regulator
- Accepts 2 or 3 litre air cylinder up to 300 BAR

ANCILLARY ITEMS

- Waterproof trolley wheeled flight case
- Chemical solutions and treatments
- Extra chemical cylinders
- Air cylinders - steel or carbon fibre
- Portable high pressure cylinder compressor up to 300 BAR
- ATP hygiene monitor and swab kit

TECHNICAL DATA

Model type	MBU/2L
Premixed solution flow rate	2 litres 15 minutes
Air consumption per minute	approx 80 litres
Nominal spray particle size	10 microns
Chemical cylinder capacity	2 litres
Operating air pressure	5 BAR
Compressed air cylinder capacity	2-3 litres max pressure 300 BAR
Total weight when empty	10.5 kg
Total weight when full	15.5 kg
Length/width/height	44 x 28 x 50 cm
Chemical pressure-narrow spray	2 BAR
Chemical pressure-mist short spray	1 BAR
Gun hose length	130 cm

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Technical Details

The Ultrasonic Atomizer Back Pack model MBU/2L incorporates two cylinders; one containing 3 litres of compressed air and the other containing 2 litres of treatment or coating.

The unit is controlled by two regulating valves and gauges which can alter the pressure to either the treatment cylinder or to the delivery gun.

The pressure from the air cylinder is controlled through a compressed air regulator which can regulate down from a 300 BAR cylinder.

The working pressure of the unit is 5 BAR and the pressure to the gun is 1 - 2 BAR. The Back Pack gun is operated by a pneumatic trigger for one finger operation which, when not in use, can be clipped to the harness for storage. The fittings on the chemical cylinder are fitted with non-return valves and quick release couplings and the cylinders are secured within the Back Pack in a stainless steel and Velcro strapped harness.



The Back Pack is fully adjustable to fit all sizes with shoulder and waist straps. The back of the harness is supplied with a gel pack for added user comfort.

*Recommended for use with Hygiene Pro Green, Spore Clean and Decon Pro Clean.

**Recommended surface treatment with Hughes Self-Sanitising Technology Treatment.

MBU/2L Back Pack Flight Case



Ultrasonic Atomizer Back Pack flight case to transport and protect the unit from any damage. The waterproof (IP67 rated) case is provided with three handles for manual handling and a retractable handle and wheels for transport. If required the Atomizer can also be operated while inside the case for small local applications.

Features:

- Watertight seal around the lid
- Automatic pressure relief valve
- Soft grip handles and corrosion free hinges
- Easy to open double throw latches and locking holes



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ATP Hygiene Monitor

Use the ATP Hygiene Monitor where rapid detection of contamination is crucial. The monitor quickly determines the cleaning efficiency and hygiene status of surfaces and water.

Advantages & Benefits:

- Small, robust and lightweight
- Precise method of sampling
- Self-calibrating luminometer
- Virtually maintenance free
- Results in 15 seconds
- Simple to use



Available Chemical Treatments and Alternative Atomizer Systems

Hughes Emergency Systems offer a range of chemical treatments and surface coatings which have been specifically formulated for use in conjunction with our Ultrasonic Atomizers. We hold unique licences allowing us to provide some of the most effective available chemical treatments for water, fire and smoke damage, mould remediation, and high level cleaning. We also offer medical grade disinfectants and surface coatings utilising Self-Sanitising Technology.



Hygiene Pro Green

A unique non-toxic formula aimed at all levels of infection control and domestic cleaning



Decon Pro Clean

A non-toxic biodegradable decontamination solution formulated to neutralise chemical and biological hazards



Spore Clean

An environmentally friendly mould remediation treatment, ideal for use in water damaged properties or humid industrial environments



MediClean

A hospital grade broadscale disinfectant with a wide range of applications such as cleaning full body PPE and decontaminating equipment



CliniCoat

A surface treatment to protect surfaces from microbes and bacteria - CliniCoat is effective for at least 3 months and can last a number of years

Alternative Hughes Atomizer Units

Portable Ultrasonic Atomizer - MUA/18L

A portable Atomizer trolley for disinfection, decontamination and application of surface treatments

Ultrasonic Atomizer Infection Control Trolley - UAICT

A complete cleaning system which can be incorporated into everyday infection control

The Infection Control Trailer - ICT

A purpose built trailer with inboard storage and waste tanks for carrying out large scale decontamination



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