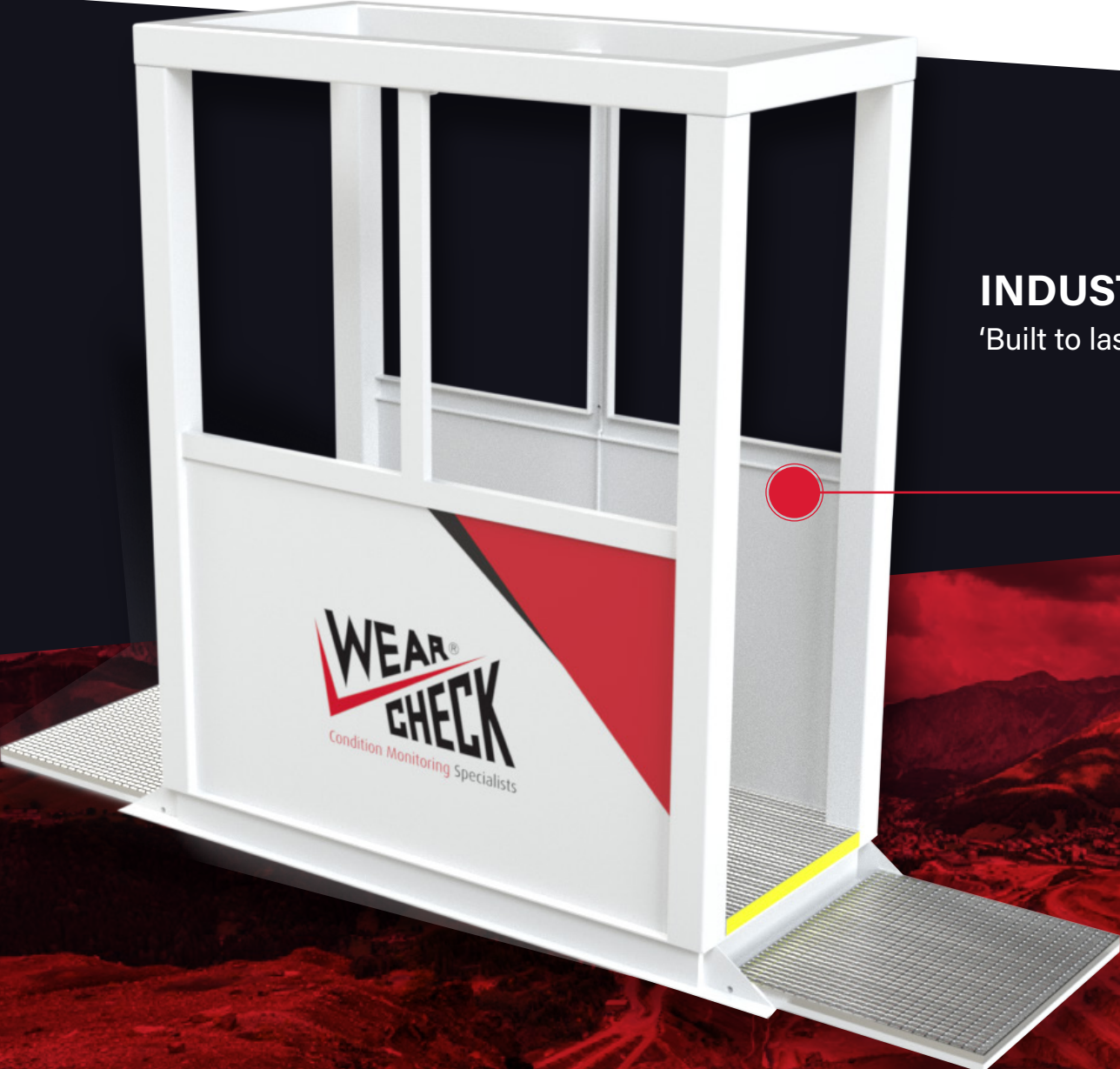


HEALTHCHECK HEALTHSPRAY



INDUSTRIAL DISINFECTANT TUNNEL

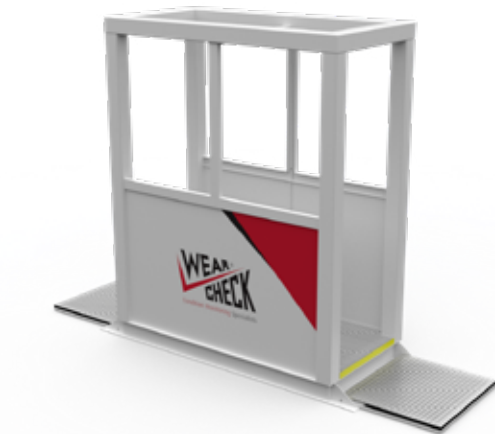
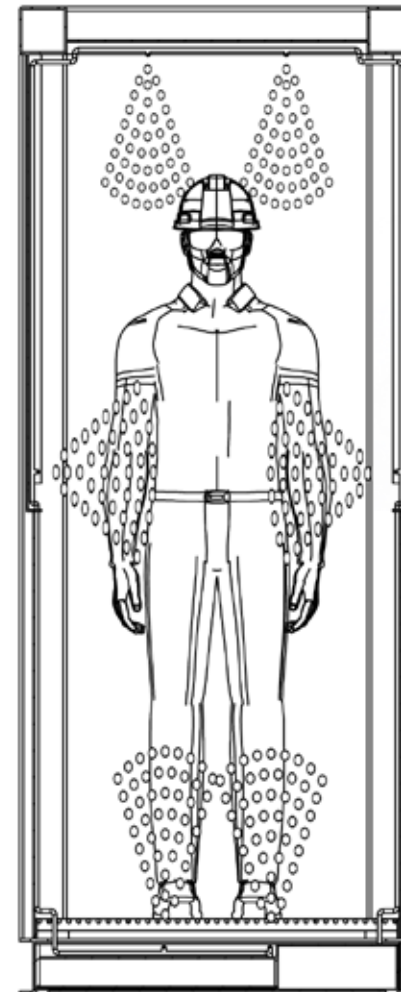
'Built to last' mass entry and exit point disinfectant tunnel



TUNNEL FEATURES

PLUG AND PLAY UNIT READY TO BE SUPPLIED WITH SANITISER DIRECT IN TO PUMP UNIT

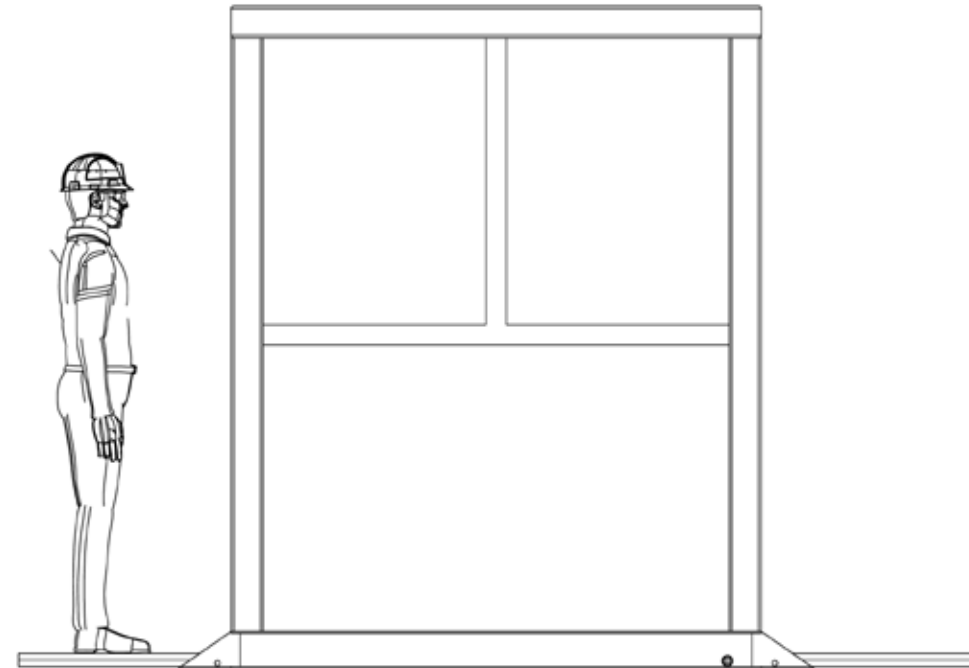
- 230 volt 0.37kw pressure pump
- Working pressure: 70~65 kgf/cm2 | suction volume: 0.9~1 L/min
- 100 psi operating pressure for optimal misting effect using the narrowest orifice nozzles
- Nickel-plated forged brass manifold resists rust and corrosion
- Special Viton seals for use with sanitisers
- Dual bearing design to lower the heat and noise level down to 75 dB
- Dual assembly with settings for minutes and seconds to set the misting intervals
- Dual analog timer has settings for minutes and seconds to set exact intervals for misting and stopping. (The shortest spray time setting: 5 seconds; the shortest stop time setting: 15 seconds)
- Sensor activated entry and auto stop
- MS square tube frame
- No operator needed



SAFETY DATA

B-SAFE HOCl "OXIDANT DISINFECTANT" SPRAY SAFETY SPECS:

- Flammability: not inflammable
- Flash point (°C): does not have a flash point
- Stability: retains its optimal oxidation
- Incompatibility (material to avoid): reactive with concentrated acid and alkaline solutions as per standard chemical practices
- Hazardous decomposition: degrades to the quality of source water
- Ecological Information: presents no hazard to the environment
- Acute toxicity: LD50 (oral: Rat) > 2000mg/kg
- Acute dermal irritation: Negative
- Acute eye irritation: Negative
- Health hazards: There are no known health hazards
- Waste disposal: B-safe HOCl can be disposed of in municipal drains without adverse effects



Laboratory experiment results and certification documentation are available on request, and were conducted by NAMSA and ATS Labs testing facilities.

RISK AND SOLUTION



RISK

With the corona virus pandemic sweeping through the world, effective sanitation has become critical and even lifesaving. Our eyes, mouth and nose have proved to be primary entry and infection points for this virus, and can be spread by coming into contact with a contaminated surface. Research has shown that an alarmingly large proportion of the CV infections are also caused by minute micron size droplets that have been aerosolized by infected persons either sneezing, coughing or merely exhaling the virus into the air where these floating viruses have been measured to remain afloat for in excess of 8 hours.

SOLUTION

B-safe HOCl is the answer as it is the only sanitiser which kills all pathogens (including Covid-19) and is 100% safe for use on both the hands and the FACE and can be used to safely spray into the nasal passage and into one's mouth. B-safe HOCl can keep the hands and face and all the infection points virus free. No other sanitiser can sanitize all of the above. B-safe HOCl can also be used to sanitise food and for sanitising all surfaces.



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DISINFECTANT PUMP PACKAGES

HIGH PRESSURE SPRAYING ALLOWS COVERING LARGE SURFACES WITH SANITATION AGENTS, REDUCING THE PRESENCE OF BACTERIA, VIRUS AND FUNGI.

The use of high pressure pumps provides a more efficient spraying action, making it possible to cover larger areas with lower fluid use than other low pressure applications.

Piston pumps:

- Air operated ATEX certified pumps. For use with flammable liquids
- Electric motor driven pumps
- Gasoline motor driven pumps, can be used as autonomous units, with no need to connect to an external power source.

WearCheck offers a range of high pressure spraying units to apply liquid sanitizing solutions. All pumps are valid for intensive use.

Different technologies are available for better adapting to your needs:

Diaphragms pumps:

- Electric motor driven pumps
- Gasoline motor driven pumps, can be used as autonomous units, with no need to connect to an external power source.



DISINFECTANT PUMP PACKAGES

APPLICATIONS - FOR USE IN:

- Mining and Construction sites
- Factories, warehouses and logistic centres
- Commercial centres, theatres, restaurants
- Bus and train stations, airports
- Trains, airplanes, buses, rental vehicles, trucks
- Office buildings, Hospitals and health care centres
- Barracks, hangars, prisons
- Stadiums, Sport arenas, gymnasiums
- Roads, parking lots.

FLUIDS:

Diluted solutions of the most common disinfectants such as :

- Sodium hypochlorite (bleach) 1% maximum.
- Paracetic acid (cleaning vinegar) 1% maximum.
- Hydrogen peroxide.
- Quaternary ammonium compounds (ammonia).
- Ethanol and other alcohols (1).

(1): Use only ATEX certified pumps with alcohols and other flammable fluids.



DISINFECTANT SPRAY PUMP 1

AIR OPERATED SPRAY PUMP

- **Air operated piston pump for use with medium to large surfaces in areas where the use of electric pumps is not possible.**
- **ATEX certified pump Ex III G c IIB T6, can be used with flammable fluids such as alcohol and alcohol solutions.**
- Mounted on a trolley, includes air pressure filter, regulator and outlet filter.
- Pump manufactured in Stainless Steel with PTFE and polyethylene seals.
- Can be used with 200 L drums, 1000 L IBCs or smaller containers.
- Self priming pump.
- **Pump can be used with two hoses connected to the pump outlet.**
- Choose suction accessories, hose and spray gun in the accessories section.

Requires compressed air, 3 to 7 bar pressure

Pump pressure ratio	30:1
Maximum air inlet pressure	7 bar
Maximum fluid outlet pressure	210 bar
Maximum flow delivery	3.7 litres per minute

Pump wetted materials: AISI 303 and 420 stainless steel, PTFE, Polyethylene and tungstene carbide.

Part No. LA142 1C4. 30:1 air operated piston pump, ATEX certified.



LA142 1C4

HIGH PRESSURE PUMP – USE ONLY
RECOMMENDED ACCESSORIES

DISINFECTANT SPRAY PUMP 2



LA402 301

HIGH PRESSURE PUMP – USE ONLY
RECOMMENDED ACCESSORIES

ELECTRIC PISTON PUMP

- **Electric motor drive piston pump. High pressure and high delivery for intensive use and spraying on large and medium surfaces**
- **Gasoline engine driven pump available for use as an autonomous unit, without the need of connecting it to an external power source**
- Pump mounted on a trolley
- Pump manufactured in stainless Steel with PTFE and polyethylene seals
- Can be used with 200 L drums, 1000 L IBCs or smaller containers
- Outlet pressure can be easily adjusted
- Pumps with electric motor include 4.8 m cable
- Self-priming Pump
- **Pump can be used with two hoses connected to the pump outlet**
- Choose suction accessories, hose and spray gun in the accessories section.

PUMPS WITH ELECTRIC MOTOR

Motor power	2.0 Kw
Maximum pressure	210 bar
Maximum delivery	4 l/min

PUMPS WITH PETROL ENGINE

Motor power	4,4 HP
Maximum pressure	210 bar
Maximum delivery	4 l/min

Wetted materials: AISI 303 and 420 stainless steel, PTFE, Polyethylene and tungsten carbide.

Order information:

LA402 302, Electric piston pump, 220 V

LA402 301, Electric piston pump, 110 V

LA402 303, petrol engine driven piston pump

DISINFECTANT SPRAY PUMP 3

ELECTRIC OPERATED SPRAY PUMP

- **Electric Diaphragm pump, high pressure, with aluminum body and Nylon Diaphragm**
- Can be used to spray medium to large surfaces
- Mounted on a trolley
- Outlet pressure can be easily adjusted
- Can be used with 200L drums, 1000L IBC's or smaller containers
- Self-priming pump
- Outlet pressure can be easily adjusted
- Pump includes 6m cable
- Possibility to include a 50L PVC tank
- **Pump can be used with two hoses connected to the pump outlet**
- Choose suction accessories, hose and spray gun in the accessories section.

Motor power: 2.2 Kw

Maximum pressure: 250 bar

Maximum delivery: 8 l/min

Wetted materials: aluminum, galvanized steel, Nylon and tungsten carbide.

Order information

LA412 228, Electric diaphragm pump, 220 V

LA412 118, Electric diaphragm pump, 110 V

LA412 229, Electric diaphragm pump with 50L tank, 220 V

LA412 119, Electric diaphragm pump with 50L tank, 110



LA412 229



LA412 228

HIGH PRESSURE PUMPS – USE ONLY
RECOMMENDED ACCESSORIES

DISINFECTANT SPRAY PUMP 4



LA491 012

AIR OPERATED SPRAY PUMP

- Autonomous spray unit recommended for outdoor spraying with intensive use
- Pump can be used with two hoses connected to the pump outlet
- Mounted on an easy to maneuver trolley, this unit mounts a 5.5 HP Yamaha gasoline engine connected with a transmission belt to a high-pressure diaphragm pump
- Order hoses and spray guns separately.

Two option available:

1. With a 50L PVC tank
 2. With suction hose to use with a 30L can mounted on the trolley
- Choose hose and spray gun in the accessories section.

Petrol engine maximum

Power	5,5 HP
Maximum pressure	210 bar
Maximum delivery pump	4 l/min

Wetted materials: aluminum, galvanized steel, Nylon and tungsten carbide.

Order Information:

LA491 011, Autonomous sanitation unit with 30L tank

LA491 012, Autonomous sanitation unit with 50L tank

HIGH PRESSURE PUMP – USE ONLY
RECOMMENDED ACCESSORIES

DISINFECTANT ACCESSORIES

ACCESSORIES

Part Number LA501 240

Airless spray gun, maximum working pressure 250 bar. Includes one spray nozzle (P.N. LA510 136) and 1/4" single swivel inlet.



LA501 240

LA510 136

Part number LA510 136

Spray tip, include with high pressure spray guns.

Spray gun extension outlet

Part Number LA501 902 60cm long

Part Number LA501 904 100cm long



LA501 904

Pole Guns

Spray guns specially designed for having an easy access to hard to reach areas.

Extra long outlet with a Z swivel before the spray tip for a better spray control.

Each pole gun includes a one spray nozzle (P.N. 510 136)

Part Number LA501 510 130cm long pole gun

Part Number LA501 511 180cm long pole gun

Part Number LA501 512 240cm long pole gun

LA501 510



DISINFECTANT ADVANTAGES

ADVANTAGES TO APPLYING DISINFECTANTS

- When you apply sanitizing agents to any surface, the smallest the droplet size is, the more efficient surface coverage is.
- High pressure airless offers the smallest droplet sizes. In this process, high pressure forces fluid through a small nozzle. The fluid emerges as a solid stream or sheet at a high speed.
- The friction between the fluid and the air disrupts the stream, breaking it into fragments initially and ultimately into droplets.
- Samoa high pressure sprayers can develop pressure higher than 200 bar, assuring the smallest droplet size.

Low pressure pumps and regular wash nozzles are not a efficient solution. Droplets are not small enough and the surface covered by litre is too small. Large droplets makes hard to reach efficiently corners and hard to reach surfaces. Droplet sizes are few millimeters each.

Hand spray pumps can provide smaller droplets, but they are still too large. Maximum pressure with this kind of equipment is limited to 3 bar.

High pressure pumps, forcing fluid through an extremely small orifice is able to reduce droplet dimensions below 10 μm .

This size is the adequate size to obtain an optimum surface coverage and thus eliminate viruses and other infection agents.



DISINFECTANT ACCESSORIES

ACCESSORIES

Suction hoses and siphon kits

Part number:

LA567 003 Siphon kit for 30L cans

LA567 012 Siphon kit for 200L drums, made in stainless steel

LA567 150 Suction hose for 1000L IBC's



LA567 003

LA567 012

LA567 150

High pressure 1/4" hoses - 228 bar

Part Number:

LA560 015 15m

LA560 020 20m

LA560 025 25m

LA560 030 30m



Part number: LA560 015
Two hoses connection kit for pump outlet.



For further information please contact
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