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Unit C3 Weatherwell Business Park
Ninth Lock Road, Clondalkin, Dublin 22
D22 P803, Ireland | Fax: (01) 457 3627



Disinfectant & Sanitiser Spray Pump Packages





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Cleaning, Sanitizing and Disinfecting are some of the essential activities of any healthy society, preventing spread of infectious diseases. Sanitizers reduce micro-organisms on a surface, to a level considered safe by public health standards, whereas disinfectants kill bacteria, viruses and fungi on a surface. SAMOA – leaders in pumping & spraying systems, manufactures specialty pumps for spraying these liquid solutions at a high pressure with less fluid consumption, whilst allowing coverage on large surfaces in minimal time.

All pumps are valid for intensive heavy-duty use.

Different technologies are available for better adapting to your needs:

Piston pumps:

- Air operated ATEX certified pumps. (For use with flammable liquids as well as in hazardous zones)
- Electric motor driven pumps. (For use, where AC electric power is available. High pressure, high delivery)
- Gasoline engine driven pumps (For use where pneumatic / electric power is not available. Can be used as autonomous units)

Diaphragm pumps:

- Electric motor driven pumps (For use, where AC electric power is available)
- Gasoline engine driven pumps (For use where pneumatic / electric power is not available. Can be used as autonomous units)



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Applications: spray of disinfectant and sanitizing agents in:

- Office buildings.
- Factories, warehouses and logistic centres.
- Commercial centres, theatres, restaurants
- Bus and train stations, airports.
- Trains, airplanes, buses, rental vehicles, trucks
- 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
- Peracetic 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.

SAMOA recommends cleaning the surface prior to sanitizing and disinfecting, where it is possible.



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Air Operated Piston Pump



LA142 1C4

- Run on compressed air, this Piston pump can be used for spraying on medium to large surfaces, in hazardous zones and other areas where the use of electric pumps is not possible.
- CE ATEX certified pump Ex III G c IIB T6, can be used with flammable fluids such as alcohol and alcohol solutions.
- Portable: 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 Tungsten Carbide

Part No. LA142 1C4. 30:1 Air Operated Piston Pump, ATEX certified. 4

Electric Operated / Engine Driven Piston Pump



LA402 301

- Electric motor drive piston pump. High pressure and high delivery for intensive use and spraying on large and medium surfaces.
- Petrol 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 and easily portable.
- 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 301, Electric piston pump, 220 V

LA402 302, Electric piston pump, 110 V

LA402 303, petrol engine driven piston pump

Electric Operated Diaphragm 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 200 L drums, 1000 L IBCs or smaller containers.
- Self-priming pump
- Outlet pressure can be easily adjusted.
- Pump includes 6 m. cable.
- Possibility to include a 50 L 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 50 L tank, 220 V
- **LA412 119**, Electric diaphragm pump with 50 L tank, 110 V



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Petrol Engine Driven Autonomous Pump Unit

- Autonomous spray unit recommended for outdoor spraying with intensive use.
- 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 options available
 - With a 50 L PVC Tank
 - With a 30 L PVC Tank and suction hose
- 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 30 L tank
- **LA491 012** Autonomous sanitation unit with 50 L tank



LA491 012

**HIGH PRESSURE PUMPS. USE ONLY
RECOMMENDED ACCESSORIES, REFER PAGES 8 & 9**



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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. 60 cm long

Part Number LA501 904. 100 cm long



LA501 904

Pole Guns.

Spray guns specially designed for having an easy access to hard to read 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. 130 cm long pole gun

Part Number LA501 511. 180 cm. long pole gun

Part Number LA501 512. 240 cm. long pole gun

LA501 510





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Accessories

Suction hoses and siphon kits

Part number

LA567 003	Siphon kit for 30 L cans
LA567 012	Siphon kit for 200 l drums, made in stainless steel
LA567 150	Suction hose for 1000 L IBCs



High pressure 1/4" hoses – 228 bar

Part Number

LA560 010	10 m.
LA560 015	15 m.
LA560 020	20 m.
LA560 030	30 m.

Part number 40365/3.

Two hoses connection kit for pumpoutlet.

