

User Manual



Low Pressure Sprayer



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General

LanoPro low-pressure sprayer is designed for spraying anti-rust and lubricating oils to equipment, cables, chains, etc. The low-pressure sprayer is designed with few moving parts. Fill with desired oil and heat to about 40-60° C.

The equipment is now ready for use. For best results, use the nozzle following the equipment. It is a stainless steel nozzle of the type, LanoPro Nozzle 05/40, which has the best spread of the beam, that is to say 40-degree angle. Spray the oil by a distance of about 40-80cm from the object to be protected, depending on how large beam width you want.

Technical data

LanoPro low-pressure sprayer is fully insulated, and has an electrically heated pressure vessel. Detergent mixed with oil is heated to a temperature as high as 60° C and pressurized beneath an air cushion. The pressurized fluid is forced along a hose to a spray gun and a nozzle.

Voltage	230V 50/60Hz
Wattage	2000W
Max. Pressure	6 bars
Max. Flow rate	1,5l/min
Capacity	23 l
Temperature adjustable	15-85° C.
Heating time from 15-85° C.	Approx. 40 min
Dimensions heating unit	580x490x1170 mm

Before operating the machine you should carefully inspect it in order to find possible missing parts or damages. Please report anything, which is not satisfactory to Lanopro Production AS, by sending an E-Mail to: mail@lanopro.com or call us at phone: +47 40 00 15 14. Please read the following instructions to avoid damaging the user, the surroundings and the machine.

Cable inspection

The isolation on the cable must be flawless and without cracks. In doubt please contact us.

Power, voltage and fuses

Please see if the voltage displayed on the registration plate is equal to your power-supply. There must be a minimum 13 A fuse in the power supply.

Electrical connection

Wrong current connection can lead to life threatening electrical chocks. The machine must only be connected to a power-supply with earth-connection. It is recommended that the machine is connected to a power source with a ground fault circuit interrupter (HFI or HPFI).

If an extension cable is used please note the following:

Length up to 10 m: 3x1.5 mm²
Length more than 10 m: 3x2.5 mm²

Before operating the machine

Safety instructions

The safety thermostat is equipped with a thermal cut-off. If the cut-off is tripped, let the vessel cool off, before you press the reset-button.

- Do not at any time during operation, direct the spray gun towards persons, animals, electrical installations or the machine itself.
- Do not make any attempt to clean clothing or footwear while a person is wearing it.
- Do not at any time disconnect the hose, when the vessel is under pressure.

The equipment is not to be operated, if vital parts or safety-devices are damaged, i.e. spray gun, hose or safety valve.

Operation direction

1. Connect the hose and the spray gun by screwing the hose coupling into the nipple.
2. Open the tank by removing the cap. Fill the tank with the appropriate oil, until the liquid is visible from above. (Max. capacity 23 litres).
3. Mount the cap, and tighten it by hand. Do not use tools.
4. Connect the plug to the power-outlet.
5. Switch on the low-pressure sprayer and set the temperature control knob at the desired temperature. (when using LanoPro products we recommend no higher temperature than 60° C.) The indicator lamp lights up to show that the heating is on. The temperature of 60° C. is reached in approx. 30 minutes, depending on the detergent solution or the ambient temperature. Once the desired temperature is reached, switch off the heating, disconnect the plug from the power-outlet, and wrap the cable around the handle.
6. Pressurize the tank with normal compressed air. Do not exceed the maximum press of 6 bars. **Warning!** Use only compressed air, and no other pressure medium. Do not tamper with safety valve or air-inlet-valve. Before pressurizing the tank, always check the safety valve for freedom of movement and external damages.
7. The cleaner is now ready for use. Pull the trigger of the spray gun and protect the item with corrosion protection oil. When the handle is not in use, you will have to lock the trigger by engaging the safety-latch.

Shutdown

Depressurize the tank by pulling the trigger or by operating the safety valve.

Troubleshooting and correction

Error	Cause	Correction
No detergent escapes from the nozzle	Check pressure in the tank. Check nozzle in spray gun.	Correct pressure is 3-6 bars. If necessary re-pressurize with compressed air. Blow clear with compressed air.
Heating fails	Check thermostat, temperature below 25° C Power-supply switched off. Is the cleaner empty	Correct temperature is 40-60° C. Check switch, socket and fuses. Refill the tank
No air pressure	Air system leaking Spray-gun leaking	Check all connections and filler cap. Check spray gun.
Heating does not switch on after heat-up period	Thermal cut-off tripped	Allow the tank to cool and press the reset-button.

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