



SYSTEM 2004L

the manual spraying system

Instruction

The manual spraying system SYS-2004L operates with a double diaphragm pump, EIC manual spray gun, as well as special nozzles.

The system is equipped with a ½” diaphragm pump, a suction appliance, for the regulation of the pump pulsation a pulsation chamber with a cleaning bypass, an EIC manual spray gun with special atomizer and the corresponding pneumatic regulators for the control of the pump and the atomizing air.

The system is delivered ready to use.

The EIC SYS-2004L is available in various types:

mounted on fixed feet, on a trolley or on a pipe-hook and can be equipped with different types of atomizer. For further information please contact our service agent.

To set the system into operation:

- I) rinse the new system with water to get rid of any residues
 - a. connect the air main supply to the system between both regulators
put the suction appliance
into a tank full of water
 - b. connect the material hose going to the manual spray gun with the exit of the pulsation chamber. Put the return fluid hose from the gun (if available) into the tank with water.
 - c. Open the air ball valve of the pump
 - d. Set air regulator functions at 2 bar. The pump starts and the water runs through the return fluid hose into the tank.
 - e. Set air pressure while gun is operating at around 2 bar. The gun is atomizing now.

- II) Setting with enamel
 - a. To change from water to enamel remove the suction fluid hose from the water tank and let the pump run until air comes out of the fluid hose and the nozzle.
 - b. Close the ball valve at the air supply to the pump and wait until the pressure falls to zero in the pulsation chamber (see manometer)
 - c. Put the suction hose into the enamel tank and the return fluid hose into another tank (waste) to avoid a mixture of water and enamel
 - d. Open the ball valve at the air supply of the pump. The pump starts to work.
If the enamel appears clean (without any water) put the return fluid hose into the main enamel tank.
 - e. Trigger the EIC manual spray gun to atomize the enamel.
Adjust pressure air to the pump and the atomizer in order to get a good pattern and a good surface. Before starting the production, operate some trials.

The EIC manual spraying system is ready to use!