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1 DECLARATION OF CONFORMITY

The undersigned, representing the following manufacturer
 Piusi S.p.A.
 46029 – Suzzara (Mantova) - Italy

CERTIFIES

that the equipment described below:
 Description: **DISPENSER FOR AD BLUE**
 Model: **SUZZARA BLUE**

complies with the following directives:

- 73/23/CEE (Low-Voltage Directive) and subsequent amendments
- 98/37/CE (Machine Directive) and subsequent amendments

AND WITH THE FOLLOWING INTERNATIONAL STANDARDS (AND THEIR SUBSEQUENT AMENDMENTS):

- EN 809-2000 Pumps and pump units for liquids - Safety requirements
- EN 13617-1 (2004) Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units
- EN 13012 (2001) Construction and performance of automatic nozzles for use on fuel dispensers

Suzzara 01.01.2006

Otto Varini

President

Before installation and use, read the instructions below carefully. The Manufacturer will not be liable in the event of accidents or damage caused by negligence or failure to follow the instructions in this booklet, or under different conditions to the ones indicated on the data plate. The Manufacturer will also not be liable for any damage caused by the incorrect use of the station.

2 SAFETY

Before any checks or maintenance work are carried out, switch the system's power off and disconnect the plug from the socket.

The stations comply with Directives 98/037/EEC, 73/23/EEC, 89/336/EEC, including the most recent amendments. Before installation, make sure that the power supply network is fitted with an earth and complies with the above-mentioned norms. During operation the motor may be hot: be careful.

WARNING:
The machines are not suitable for pumping flammable liquids or to operate in environments in which explosions may occur. Avoid contact between the electrical power supply and the liquid that needs to be pumped.

Under no circumstances may the electrical pump be held or carried by the power supply cable.

3 PRELIMINARY INSPECTION

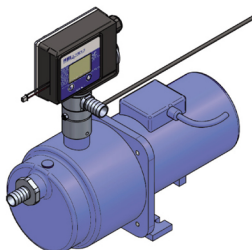
Unpack the machine and check that it is intact.



WARNING:
Also check that the data on the plate correspond to the desired specifications. If there are any faults, contact the supplier immediately explaining the nature of the fault.



WARNING:
If there are any doubts regarding the safety of the machine, do not use it.



4 CONDITIONS OF USE

The following conditions must be observed when using the electrical pump:
 Max. operating pressure: 6 bar
 Max. temperature of liquid: +35 °C.
 Max. temperature of liquid permitted by materials: +40 °C.
 Voltage variation permitted: +/- 5% (if a nominal value field has been specified, these values should be taken as maximum allowable limits).
 Equivalent continuous sound pressure level at the workstation: ≤75 dB(A)
 Make sure that the pump operates within its nominal operating parameters.

5 INSTALLATION

The installation procedure may be complicated. Therefore, it should be carried out by expert or authorised installers.



WARNING:
During installation, observe all safety provisions that have been issued by the competent authorities and that follow common sense.

Install the unit in dry and well-ventilated place. The pump must always be in a horizontal position. Make sure that the pipe is completely airtight and that it is submerged at least 50cm into the liquid that needs to be pumped to prevent the formation of a Vacuum. Operation with a suction hose could cause damage to the pump.

STANDARD STATION

The SUZZARA BLUE supply station comes fitted with a unit consisting of:

- electric pump
 - K600 Meter
 - remote display
 - hose-end fitting already mounted on the pump and meter
- The following parts are supplied not mounted along with the station:
- delivery hose L= 4 mt
 - stainless steel swivel connector for nozzle
 - clamps
 - OPW nozzle

OPTIONAL ACCESSORIES:

To ensure versatility, the following accessories are recommended for the SUZZARA BLUE station:

- stainless steel pump base to be installed on Mauer tanks
- stainless steel pump base to be installed on Air 1 System tanks
- switch kit with cable
- suction tube for tank complete with 1mt. tube, CDS connector, clamps. To be assembled
- suction tube for tank complete with 1,5 mt. suction tube, foot valve with filter and clamps, to be assembled.

5.1 INSTALLING THE SUZZARA BLUE STATION WITHOUT STAINLESS STEEL BASE

FOREWORD

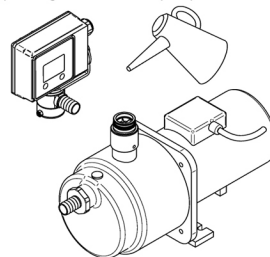
This installation can be carried out only if a suitable support for the unit is available ensuring excellent fixing and horizontal position of the pump.

7.1 WETTING THE PUMP

This operation is carried out by filling the pump body with approximately 1,5 litres of the solution made up of water and urea. This operation must be carried out by means of a turbine flowmeter, which must be open. To do this it is necessary to unscrew the nuts and corresponding pegs that lock the cap: lift the cap, which is no longer secured, taking care not to pull the cable that connects it to the remote display. At this point, fill the pump using a container with a spout. Once this operation has been completed, close the flowmeter cap and tighten the pegs and corresponding nuts. Start the pump.



WARNING
If the pump is not primed after about ten minutes, switch it off and repeat the procedure. The pump must always be primed after long periods of inactivity.



8 MAINTENANCE

Before carrying out any maintenance work, make sure that the power is off and that there is no possibility of accidental connections. If the pump is repaired by technicians that have not been authorised by the manufacturer, the guarantee will no longer be valid; it could also involve working with unsafe and potentially-dangerous equipment.



WARNING
Tampering with the machine could lead to a loss of performance and danger to persons and/or things.

If the following precautions are taken, the pumps will not require any maintenance:

- 1 Where there is danger of freezing, empty the pump and prime it again when it is used next.
- 2 Regularly check that the suction system is perfectly clean.
- 3 If the pump is not to be used for a long time, it is advisable to empty it completely, rinse it and store it in a dry place.



WARNING
After using the station with a mixture of water and urea, it is advisable NOT to leave it inactive for a long period of time. If it is not to be used for a long time, the pump should in any case be rinsed with clean water.

9 USE

Dispense the liquid following the instructions below:

- 1 Start the pump using the switch on the side of the pump itself
- 2 Connect the spout of the nozzle to the opening of the tank that needs to be filled
- 3 Press the nozzle trigger to dispense.



WARNING
It is necessary to watch dispensing operations carried out with an automatic nozzle, too.

Once dispensing is finished, proceed as follows:

1. Release the nozzle trigger, ensuring that the nozzle is still connected to the tank that has just been filled.
2. switch the pump off using the switch on the side
3. Disconnect the nozzle from the opening of the tank and put it back into the nozzle-holder made from the pump support plate or in the suitable seat if the stainless steel base is not available.



WARNING
The user is responsible for carrying out the dispensing process correctly. The manufacturer will not be liable for any damages caused by incorrect dispensing.

PROCEDURE:

1. fix the pre-mounted Suzzara Blue unit to the support while keeping the electric pump in horizontal position, using the 2 M8x30 screws supplied with the base kit.
2. position the suction tube in the tank, following the instructions supplied with the tube kit (optional).
3. then connect the free end of the suction tube to the hose-end fitting already screwed onto the pump, ensuring that the clamp provided has been tightened properly.
4. connect the delivery hose to the hose-end fitting already secured to the flowmeter and tighten the clamp.
5. apply the swivel connector to the nozzle, ensuring that the OR-gasket has been lubricated.
6. connect the delivery hose, previously secured to the flowmeter, and secure it to the swivel coupling, taking special care when tightening the clamp provided.
7. position the station, now properly fitted, and carry out the electrical connection.
8. if you use the switch kit, follow the instructions attached to the kit. If not, connect the line to the pump cable, by using a suitable connector or connector box.

5.2 CONNECTING THE STATION TO THE TANK

INSTALLING THE SUZZARA BLUE STATION WITH STAINLESS STEEL BASE:

1. fix the Suzzara Blue unit, previously mounted to the stainless steel base (follow the instructions attached to the kit).
2. position the unit on the tank, proceeding as indicated in the instructions of the chosen base kit.
3. position the suction tube in the tank, following the instructions supplied with the tube kit.
4. then connect the free end of the suction tube to the hose-end fitting already screwed onto the pump, ensuring that the clamp provided has been tightened properly.
5. connect the delivery hose to the hose-end fitting already secured to the flowmeter and tighten the clamp.
6. connect the swivel coupling to the nozzle
7. connect the delivery hose, previously secured to the flowmeter, and secure it to the swivel coupling, taking special care when tightening the clamp provided.
8. connect the station, now properly fitted and installed, to the electrical power supply. If you purchased the switch kit, follow the instructions attached to the kit.

6 GENERAL WARNINGS FOR ELECTRICAL CONNECTIONS

1. The installer is responsible for ensuring that all connections comply with current legislation in force in the country of installation. Make the connection to the socket easily accessible.
2. Before making any connections, ensure that there is no power at both ends of the line conductors.
3. Check that the nominal network values correspond to the data on the plate.
4. If the electrical pump is not fitted with a power supply cable and a plug, make sure the power supply network has a device that allows the power supply to be switched off: the contacts on this device must be at least 3mm apart.
5. A differential switch should be installed, the nominal operating differential current of which should not exceed 30 mA.

The motor is protected against overloads by means of a thermal safety device (overload cut-out) in the windings.



WARNING
The installer is responsible for carrying out the installation phases correctly. The manufacturer will not be liable for any damages caused by incorrect installation.

7 PRIMING



WARNING
Running the pump dry will damage the mechanical seal.