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1 GENERAL WARNINGS

Warnings To ensure operator safety and to protect the dispensing system from potential damage, workers must be fully acquainted with this instruction manual before attempting to operate the dispensing system.

Symbols used in the manual The following symbols will be used throughout the manual to highlight safety information and precautions of particular importance:



ATTENTION This symbol indicates safe working practices for operators and/or potentially exposed persons.



WARNING This symbol indicates that there is risk of damage to the equipment and/or its components.



NOTE This symbol indicates useful information.

Manual preservation This manual should be complete and legible throughout. It should remain available to end users and specialist installation and maintenance technicians for consultation at any time.

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2 SAFETY INSTRUCTIONS

ATTENTION You must avoid any contact between the electrical power supply and the fluid that needs to be FILTERED.

Mains - preliminary checks before inst Before any checks or maintenance work are carried out, disconnect the power source.

Maintenance control Use equipment only in well ventilated area.

FIRE AND EXPLOSION Keep work area free of debris, including rags and spilled or open containers of solvent and gasoline. Do not plug or unplug power cords or turn lights on or off when flammable fumes are present.

Ground all equipment in the work area. Stop operation immediately if static sparking occurs or if you feel a shock. Do not use equipment until you identify and correct the problem. Keep a working fire extinguisher in the work area.

Never touch the electric plug of socket with wet hands. Do not turn the dispensing system off the power connection cord or other important parts of the apparatus are damaged, such as the inlet outlet plumbing, dispensing nozzle or safety devices. Replace damaged components before operation.

Before each use check that the power connection cord and power plug are not damaged. If damaged, have power connection cord replaced before use by a qualified electrician.

The electrical connection between the plug and socket must be kept well away from water.

Unsuitable extension leads can be hazardous, in accordance with current regulations. Only extension cords that are labelled for outdoor use and have a sufficient conduction path should be used outdoors.

For safety reasons, we recommend that, in principle, the equipment be used only with an earth-leakage circuit breaker (max 30 mA).

Electrical connections must use ground fault circuit interrupter (GFCI).

Installation operations are carried out with the box open and accessible electrical contacts. All these operations have to be done with the unit isolated from the power supply to prevent electrical shock!

Do not operate the unit when fatigued or under the influence of drugs or alcohol.

Do not leave the work area while equipment is energized or under pressure.

Turn off all equipment when equipment is not in use.

Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.

Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.

Do not lean or over bend hoses or use hoses to pull equipment. Keep children and animals away from work area.

Comply with all applicable safety regulations.

Burn Hazard Equipment surfaces and fluid that is heated can become very hot during operation. To avoid severe burns do not touch hot fluid or equipment.

Toxic Fluid or Fumes Hazard Read MSDSs to know the specific hazards of the fluids you are using. Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.

Prolonged contact with the treated product may cause skin irritation: always wear protective gloves during dispensing.

GENERAL SAFETY RULES

Essential protective equipment characteristics ATTENTION Wear protective equipment that is:

- suited to the operations that need to be performed;
- resistant to cleaning products.

It is a good practice to consider the instructions manual as an integral part of the purchased product. Always keep the instructions manual nearby the product.

Personal protective equipment that must be worn

Wear the following personal protective equipment during handling and installation:

safety shoes;

close-fitting clothing;

protective gloves;

safety goggles;

Prolonged contact with the treated product may cause skin irritation; always wear protective gloves during dispensing.

Do not proceed to dispense if the suction/supply hose, the nozzle or the safety devices are damaged. Immediately replace the damaged part.

4 FIRST AID RULES

NOTE Please refer to the safety data sheet for the product

SMOKING PROHIBITED When operating the dispensing system and in particular during refuelling, do not smoke and do not use open flame.

WARNING Keep the product to be dispensed away from eyes and skin. Keep the product to be dispensed out of reach of children. The nozzle must only be used for the purposes for which it was designed.

Using unsuitable component parts and materials could be hazardous.

Not checking correct part installation could be hazardous.

5 BECOMING ACQUAINTED WITH SB325_X

FOREWORD Dispenser nozzle featuring automatic stop device, made of non-conductive plastic and designed to be used with water/urea solution (def. aus22). Also compatible with water.

5.1 INTENDED USE

SB325_X WATER/UREA SOLUTION - D.E.F. - AUS 32, ACCORDING TO DIN 70070

WATER

WINDSCREEN

Refer to the product technical sheets

CONDITIONS OF USE AND ENVIRONMENTAL CONDITIONS

6 PACKAGING

The nozzles are supplied packed in cardboard boxes, with label showing following details:

1 - Package contents

2 - Weight

3 - Product description

7 TECHNICAL CHARACTERISTICS

SB325_X

Min. flow-rate (l/min) 15

Max. flow-rate (l/min) 45 *

Pressure loss at 35 l/min (bar) 0,9

Inlet thread with swivel T GAS

External diameter for hose-end fitting (mm) 20

Max. operating pressure (bar) 3,5

Weight (Kg) 0,8

* Max. 40 l/min at temperature -0°C

8 INSTALLATION

FOREWORD The automatic nozzles are supplied ready for use. The nozzle features SWIVEL hose-end fitting (complete with O-ring) useful for connecting to the supply hose.

To ensure perfect operation, the device must be used to dispense fluids with characteristics falling within the following parameters:

- Qmin.: 15 l/min - Qmax.: 45 l/min

- Pmin.: 1,5 bar - Pmax.: 3,5 bar

ATTENTION During installation, use adequate sealants, being careful no residues remain inside the hose.

So as not to negatively affect product operation, couple the hose-end fitting with the hose without using tools such as pliers, etc.

Assembly will be easier if the swivel hose-end fitting is already fitted on the nozzle.

Make sure the hoses and the suction tank are without threading scale or residues which could damage the nozzle and the accessories.

WARNING Apply adequate sealants on the male threads of the connections and swivels. Do not use Teflon tape

NO TEFLON TAPE

9 USE MODALITY

FOREWORD The main feature of these nozzles is that they are easy to use.

Two operating modes are available:

1 - ASSISTED MODE

2 - AUTOMATIC MODE

Use the opening lever lock device for automatic dispensing. To continue dispensing after automatic stop, the lever must be fully released before proceeding to operate it again.

To interrupt dispensing in manual mode, press the lever again, thereby releasing the device, and then release.

DO NOT USE THE NOZZLE OUTSIDE THE PARAMETERS INDICATED ON THE "TECHNICAL SPECIFICATIONS" CHART

ATTENTION Dispensing is automatically interrupted thanks to the shut-off device, which operates when the level of the liquid reaches the end of the spout.

10 MISFILLING (optional)

PREMISE Refuelling with the nozzle equipped with "magnet switch" is only possible in combination with the "magnet adapter", so misfilling into tanks is made impossible

OPERATION The "magnet switch" is a fixed magnetic field within the filler necks of the nozzle. This opens the magnet switch in the spout, so it is only possible to dispense from the tank where the magnet adapter is installed.

ATTENTION Nozzles equipped with "magnet switch" work only in combination with the "magnet adapter". The "magnet adapter" is an optional to be bought separately.

11 PRELIMINARY CHECK

WARNING Check the correct operation of the lock device, according to the following procedure:

1 - Take a graduated receptacle with a capacity make sure the spout is submerged by about 5 cm (2 um-flow and maximum-flow inches).

2 - Begin dispensing into the receptacle, setting with a click of the lever.

3 - Keeping the lever open.

4 - The nozzle must stop during dispensing, check and reduce the flow.

5 - Repeat the same operation with the lever in medium position.

6 - If the nozzle stops during dispensing, check and reduce the flow.

7 - If the shut-off device does not begin to operate, check the minimum flow rate of the system or replace the nozzle.

12 INITIAL START UP

FOREWORD Only start dispensing after making sure that assembly and installation have been correctly performed.

ATTENTION It is a good practice to only operate the nozzle lever after making sure the spout has been properly inserted in the mouth of the tank to be filled.

NOTE When using for the first time and every time the nozzle is used, following the connection of the supply hose, gently operate the lever to enable the air to escape from the circuit, until normal operation is achieved.

ATTENTION Check the correct operation of the automatic stop device once the tank is full.

ATTENTION THE FAULTY OPERATION OF THIS DEVICE COULD CAUSE THE SPILL OF LIQUIDS THAT ARE HAZARDOUS FOR PEOPLE AND THE ENVIRONMENT.

13 MAINTENANCE

Periodically check the correct operation of the automatic stop device. If fitted, it is best to periodically check the filter and clean it every 1000 litres of transfer.

Periodically check the tightness of the connections.

After long periods of inactivity verify the correct operation of the automatic shut-off device.

In the event of damage to air channel or spout, see diagram in chapter 18 for replacement.

14 MALFUNCTIONS

FOREWORD The possible causes of malfunction are mainly attributable to three factors:

1 - Nozzle dirty in inner hole of lip at end of spout

2 - Corrective action: submerge spout in AdBlue or demineralised water to eliminate the crystallisation

3 - Operating pressure of liquid to be dispensed below 0,5 bar or above 3,5 bar

4 - Flow rate too low or too high

NOTE Correct and regular maintenance of the nozzle and of the system to which it is connected prevents malfunctions and possible accidental spills of hazardous liquids.

15 DEMOLITION AND DISPOSAL

Foreword If the system needs to be disposed, the parts which make it up must be delivered to companies that specialize in the recycling and disposal of industrial waste and, in particular:

The packaging consists of biodegradable cardboard which can be delivered to companies for normal recycling of cellulose.

Disposal of packing materials Metal parts, whether paint-finished or in stainless steel, can be consigned to scrap metal collectors.

Disposal of electric and electronic components These must be disposed of by companies that specialize in the disposal of electronic components, in accordance with the indications of directive 2012/19/UE (see text of directive below).

Information regarding the environment for clients residing within the European Union European Directive 2012/19/UE requires that all equipment marked with this symbol on the product and/or packaging not be disposed of together with normal household waste. It is the responsibility of the owner to dispose of these products as well as other electric or electronic equipment by means of the specific refuse collection structures indicated by the government or the local governing authorities.

Disposing of RAEE equipment as household wastes is strictly forbidden. Such wastes must be disposed of separately.

Any hazardous substances in the electrical and electronic appliances and/or the misuse of such appliances can have potentially serious consequences for the environment and human health.

In case of the unlawful disposal of said wastes, fines will be applicable as defined by the laws in force.

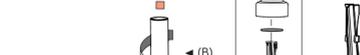
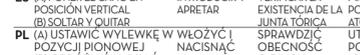
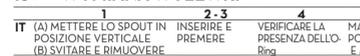
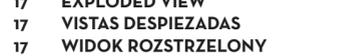
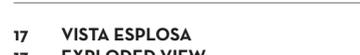
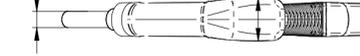
Miscellaneous parts disposal Other components, such as pipes, rubber gaskets, plastic parts and wires, must be disposed of by companies specialising in the disposal of industrial waste.

16 DIMENSIONI

16 DIMENSIONS

16 DIMENSIONES TOTALES

16 WYMIARY/WIDOK ROZSTRZELONY



Manuale d'uso e manutenzione IT
Use and maintenance manual EN
Manual para el uso y el mantenimiento ES
Instrukcja obsługi i konserwacji PL

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