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1 FACSIMILE COPY OF EU DECLARATION OF CONFORMITY

The undersigned, PIUSI S.p.A. Via Pacinotti 16/A - 21 Rengovino - 46029 Suzzara - Mantova - Italy HEREBY STATES under its own responsibility that the equipment described below...

2 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.

3 SAFETY INSTRUCTIONS

ATTENTION You must avoid any contact between the electrical power supply and the fluid that may be FILTERED. Before any checks or maintenance work are carried out, disconnect the power source.

4 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.

5 FIRST AID RULES

NOTE Please refer to the safety data sheet for the product. When operating the dispensing system and in particular during refuelling, do not smoke and do not use open flame.

6 TO KNOW SB325\_X M

DISPENSER nozzle featuring integrated meter, made of non-conductive plastic and designed for use with water/urea solution (Aus32/Aus40 DEF). The meter integrated with the SB325\_X M nozzles uses a turbine measuring system and interfaces with the user by means of the LCD display.

7 PACKAGING

The nozzles are supplied packed in cardboard boxes, with label showing following details: 1- Package contents 2- Weight 3- Product description

8 TECHNICAL CHARACTERISTICS

Table with 6 columns: Description, Min. flow rate (l/min), Max. flow rate (l/min), Pressure loss at 35 l/min (bar), Inlet thread with seal, External diameter (mm), Max. operating pressure (Bar), Weight (kg)

9 INSTALLATION

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.

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10 USE MODALITY

10.1 MECHANICAL CHARACTERISTICS The main feature of these nozzles is that they are easy to use. Two operating modes are available:

11 MISFILLING (optional)

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

12 PRELIMINARY CHECK

WARNING Check the correct operation of the lock device, according to the following procedure: 1 - Take a graduated recip... 2 - Begin dispensing into the re... 3 - Keeping the lever open, mode 5 - Repeat the same operations with...

13 INITIAL START UP

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

14 WHAT IT LOOKS LIKE

FOREWORD The "LCD" of this METER features two numerical registers and various indications displayed to the user only when the applicable function so requires.

15 DAILY USE

FOREWORD The only operations that need to be done for daily use are partial and/or resettable total register resetting. The user should use only the dispensing system of METER. Occasionally the meter may need to be configured or calibrated.

16 CALIBRATION

16.1 PARTIAL RESET (FLOW RATE MODE) To reset the Partial Register, finish dispensing and wait for the Remote Display to show a Flow Rate of 0.0 as indicated in the illustration.

16.4.1 DISPLAY OF CURRENT CALIBRATION FACTOR AND RESTORING FACTORY FACTOR

By pressing the FLOWRATE key while the appliance is in standby, the display page will appear showing the currently used calibration factor. If no calibration has ever been performed, or the factory setting has been restored after previous calibrations, the following display will appear.

16.4.2 IN FIELD CALIBRATION

This procedure calls for the fluid to be dispensed into a graduated sample container in real operating conditions (flow rate, viscosity, etc.) requiring maximum precision.

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15.1.2 RESETTING THE RESET TOTAL

The reset total resetting operation can only be performed after resetting the partial register. The reset total can in fact be reset by pressing the reset key at length while the display screen shows reset total as on the following display page.

15.2 DISPENSING WITH FLOW RATE MODE DISPLAY

It is possible to dispense fluids, displaying at the same time: 1 - the dispensed partial 2 - the Flow Rate in (Partial Unit / minute) as shown on the following display page.

15.2.1 PARTIAL RESET (FLOW RATE MODE)

To reset the Partial Register, finish dispensing and wait for the Remote Display to show a Flow Rate of 0.0 as indicated in the illustration.

16 CALIBRATION

16.1 WHY CALIBRATE? When working in extreme operating or flow conditions, (close to minimum or maximum acceptable range values), it may be a good idea to calibrate in the field, in the real conditions in which the SB325\_X M has to work.

16.2 DEFINITIONS

Multiplication factor applied by the system to the electrical pulses received, to transform these into measured fluid units. Factory-set default factor. It is equal to 1000. This calibration factor ensures utmost precision in the following operating conditions.

16.3 KEY

Calibrate means performing actions on the meter keys. Below is the legend of the symbols used to describe the actions to be performed.

16.4 CALIBRATION MODE

Why calibrate? 1 - Display the currently used calibration factor. 2 - Return to factory calibration (Factory K Factor) after a previous calibration by the user.

16.4.1 DISPLAY OF CURRENT CALIBRATION FACTOR AND RESTORING FACTORY FACTOR

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16.4.2 IN FIELD CALIBRATION

This procedure calls for the fluid to be dispensed into a graduated sample container in real operating conditions (flow rate, viscosity, etc.) requiring maximum precision.

16.4.2.1 IN-FIELD CALIBRATION PROCEDURE

1 NONE METER is Standby 2 LONG FLOWRATE key keying The METER is informed that the calibration procedure is finished. Before performing this operation, make sure the INDICATED value is the same as the REAL value.

16.4.3 DIRECT MODIFICATION OF K FACTOR

If normal Meter operation shows a mean percentage error, this can be corrected by applying to the currently used calibration factor a correction of the same percentage. In this case, the percentage correction of the USER K FACTOR must be calculated by the operator in the following way:

17 METER CONFIGURATION

The METER features a menu with which the user can select the main measurement unit, Quarts (Qt), Pints (Pt), Litres (L), Gallons (Gal). The combination of the unit of measurement of the Partial register and that of the Totals is predefined according to the following table:

18 MAINTENANCE

METER should be installed in a position allowing the batteries to be replaced without removing it from the system. METER features two low-battery alarm levels:

19 MALFUNCTIONS

19.1 MECHANICAL MALFUNCTIONS The possible causes of malfunction are mainly attributable to three factors: Nozzle dirty in inner hole of lip at end of spout. Corrective action: submerge spout in Jet-Bi-Jet or demineralised water to eliminate the crystallisation.

20 TECHNICAL DATA

Table with 2 columns: Measurement system, Resolution (nominal), Flow Rate (Range), Operating pressure (Max), Storage temperature (Range), Operating temperature (Range), Flow resistance, Viscosity (Range), Accuracy, Reproducibility (Typical), Screen

21 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:

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PIUSI Fluid Handling Innovation. Manuale d'uso, manutenzione e calibrazione. Use, calibration and maintenance manual. MADE IN ITALY. BULLETIN MOZZO F ITEM 01. 2022. 10

