

INSTRUCTIONS 1101-S00 e

Section 11

1101

Effective Replaces November 2013 October 2008

Original instructions

Puncture detector for Abaque squeezed tube pumps

INSTALLATION OPERATION



Your distributor :

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PUNCTURE DETECTOR FOR ABAQUE SQUEEZED TUBE PUMPS

SAFETY, INSTALLATION AND OPERATION INSTRUCTIONS

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REMARKS:

The puncture detection kit for MOUVEX squeezed tube pumps MUST be installed in equipment installation layouts designed by qualified personnel. The installation MUST be in conformity with local standards, national regulations and safety rules.

This manual is intended for the installation and start up of puncture detection kits for squeezed tube pumps and MUST accompany the kit.

The squeezed tube pump servicing shall have to be carried out ONLY by qualified technicians. This maintenance shall have to respect local standards, national regulations and safety rules.

This manual, with all instructions and precautions, is to be read in its integrality BEFORE any use of the MOUVEX pumps.

All warning and untilisation labels and stickers are to be left in place.

SAFETY INFORMATIONS



This is a SAFETY ALERT SYMBOL

When you see this symbol on the product, or in the manual, look for one of the following signal words and be alert to the potential for personal injury, death or major property damage.



Warns of hazards that WILL cause serious personal injury, death or major property damage



Warns of hazards that CAN cause serious personal injury, death or major property damage.



Warns of hazards that CAN cause personal injury or property damage.

NOTICE

Indicates special instructions which are very important and must be followed.



Slippery lubricant. Spills should be cleaned up. THE PUMP LUBRICANT IS VERY SLIPPERY AND MAY CAUSE SERIOUS INJURY. ANY SPILLS MUST BE CLEANED UP.



Dangerous voltage. Can cause injury and death. DISCONNECT THE ELECTRICITY SUPPLY BEFORE ANY MAINTENANCE OPERATION.

1. WORKING PRINCIPLE

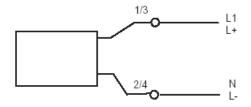
The pipe puncture detection of the squeezed tube pump is ensured by a capacitive proximity detector mounted on the level pipe of the pump.

The capacitive proximity detector detects metallic and non metallic materials.

2. TECHNICAL CHARACTERISTICS

3. CONNECTION DIAGRAM

The connection is made by terminal up to 2,5 mm²

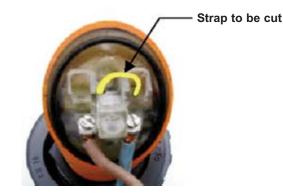


Two different functioning modes are possible :

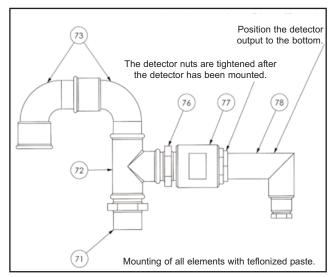
- Normally open contact :

- Normally closed contact :

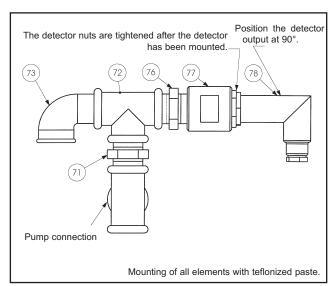
The normally closed contact is obtained by cutting the detector strap :



4. DETECTOR MOUNTING



A/AS: 10 - 15 - 20



A/AS: 25 - 40 - X40

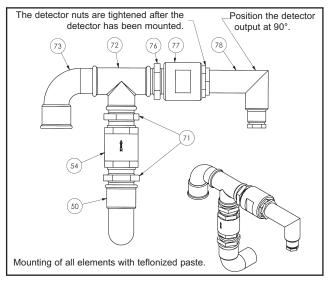
Remove the 2 elbow bends larger than the breathing vent.

Screw the fitting 71 on the elbow bend 50.

Install back-flow valve **54** and its two **71** connections adhering to orientation (A/AS : 65 - 80 - X80 - 100 - 125).

Mount the tee 72 and then the elbow bend 73.

Screw the fitting 76 on the tee 72.



A/AS: 65 - 80 - X80 - 100 - 125

Mount the detector 78 in the connector piece 77.

Position the output of the detector **78** at 90° (A/AS : 25 - 40 - X40 - 65 - 80 - X80 - 100 - 125) in a downward direction.

Screw the nuts in the detector.

Perform wiring operations as per § CONNECTION DIAGRAM.