



EN
Installation, use and maintenance
RU
Установка, эксплуатация и техобслуживание

BULLETIN MO556A ENARRU_00

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عربى (ترجمة عن اللغة الأصلية)

فرينس

وصف الآلة

أغراض الاستخدام

المناولة والتغليف

تحذيرات عامة

نذيريات هامة

ملاسة المنتج

عند جود مثلك ملائكة بملائكة المنتج العالج العين أو الجلد

بالتالي يزجي العروة إلى يدك الأمان الخاصة

بسائل المستخدمة

في هذا التليل

الرموز المستخدمة

في هذا التليل

ملحوظة

التنفس

يجب وعدها

بيان

وسلمة

بيان

التركيب

المشاكل التشغيلية

الأستخدام

الصيانة

المشاكل التشغيلية وحلولها

زنقة رؤية الأجزاء وفكوك الجهاز - أبعد الحيز المكاني

وصف الآلة

عدادات التردد

اقتبس كهربائي

الإطارات والمشكلات الشائعة

تصيرها

فكوكها

الاستخدام

جهاز قياس كهربائي

جود الدليل

غير مسموح باستخدام هذا الجهاز مع موائل مختلفة عن تلك المذكورة

عن ذلك المحدد في نقطة الاستخدام المسموح بها

استخدام شيكة التشغيل

حدود القيم بما

تحذيرات

استخدام البركة المصونة

استخدام

المناولة والتغليف

نظرة عامة على التراكم المحددة

رقائق

فكوكها

الاستخدام

جود الدليل

تجاهز إلى التراكم

تجاهز

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1 MACHINE DESCRIPTION

K150 flow meters are mechanical nutating disk type meters designed to guarantee accurate metering of petrol or other liquids compatible with the construction materials. The nutating disk in the measuring chamber (see diagram 1, assembly "7"), moved by the liquid, activates the gear train housed in the cover of the meter body (assembly "7") which transmits motion to the motor (assembly "6"). The meter is equipped with a non-resettable litre totaliser and a batch register which can be reset by means of a knob (Pos. "2") whose unit digit is provided with marks for the read-out of the tens of a litre.

WARNING To ensure a proper and safe use of the meter it is necessary to read and follow the instructions and warnings contained in this manual. An improper installation or use of the meter may cause damage to objects and people.

1.1 INTENDED USE

PERMITTED USE APPLIANCE FOR THE MEASUREMENT OF DIESEL FUEL

PROHIBITED USE Using the appliance for fluids other than those listed at paragraph "Fluids permitted" and for uses other than those described at the item "authorised use" is forbidden.

PLANT OPERATION RESTRICTIONS

- To use the appliance in a construction configuration other than that contemplated by the manufacturer.
- To use the appliance with fixed guards tampered with or removed.
- To integrate other systems and/or equipment not considered by the manufacturer in the executive project.
- To use the commercial devices for purposes other than those indicated by the manufacturer.
- In presence of lightnings

1.2 HANDLING AND TRANSPORT

Due to the limited weight and dimensions of the METERS, special lifting equipment is not required to handle them. THE APPLIANCES ARE CAREFULLY PACKED before dispatch. Check the packing when receiving the material and store in a dry place.

3 GENERAL WARNINGS**Important precautions**

To ensure operator safety and to protect instrument from potential damage, workers must be fully acquainted with this instruction manual before performing any operation.

NOTE Please refer to the safety data sheet for the product.

Symbols used in the manual

In order to signal particularly important instructions or warnings, the following symbols are used:

WARNING WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury

NOTICE NOTICE is used to address practices not related to personal injury

Manual preservation

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THIS MANUAL IS VALID ONLY FOR K150 METER

NOTE THIS MANUAL IS VALID ONLY FOR K150 METER

WARNING USE THE METER ONLY WITH FLUIDS PERMITTED. DO NOT USE WITH FLUIDS NOT PERMITTED TO AVOID DAMAGING THE INSTRUMENT. THE GUARANTEE LAPSES IN CASE OF MISUSE OF THE FLUID.

DO NOT USE THE METER WITH LIQUID FOOD PRODUCTS AND/OR WATER-BASED FLUIDS.

Before connection, make sure that the piping and the suction tank are free of dirt and solid residue that could damage the device and its accessories.

NEVER COLLECT THE FLUID FROM THE BOTTOM OF THE TANK SINCE IT MAY CONTAIN IMPURITIES.

BEFORE USING THE PUMP SWITCH OFF ALL THE ELECTRONIC DEVICES (I.E. MOBILE PHONES, BEEPERS ETC.)

4 FIRST AID RULES**Contact with the product**

For issues arising from the treated product with eyes, skin, inhalation and ingestion refer to the safety data sheet of the fluid used.

NOTE Please refer to the safety data sheet for the product.

Symbols used in the manual

In order to signal particularly important instructions or warnings, the following symbols are used:

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THIS MANUAL IS VALID ONLY FOR K150 METER

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IN CASE OF CONTACT WITH THE PRODUCT AND FOR GOOD STANDARD OF BEHAVIOUR, wear protective equipment which is:

• suited to the operations that need to be performed;

• resistant to products used

safety shoes; close-fitting clothes;

protective gloves; safety glasses;

instructional manual

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

NOTE TO PREVENT ELECTRIC SHOCK AND DETONATION OF SPARKS, ALL PUMPING SYSTEM MUST HAVE PROPER GROUNDING, INCLUDING TANK AND ANY ACCESSORIES.

WARNING FAILURE TO OBSERVE THE ABOVE MENTIONED RULES CAN CAUSE SERIOUS ACCIDENTS

7 OPERATING CONDITIONS**7.1 ENVIRONMENTAL CONDITIONS**

ENVIRONMENTAL TEMPERATURE min. +14 °F / max. +40 °F

min. -20 °C / max. +60 °C

FLUID TEMPERATURE min. +14 °F / max. +40 °F

min. -20 °C / max. +60 °C

RELATIVE HUMIDITY max. 90%

WARNING The temperature limits shown apply to the device components and must be respected to avoid possible damage or malfunction.

7.2 FLUIDS PERMITTED

WARNING THE METER CAN BE USED ONLY WITH THE FOLLOWING FLUIDS:

- DIESEL FUEL with a VISCOSITY of between 2 and 5.35 cSt (at a temperature of 37.8 °C), in accordance with UNI EN 590. Minimum flash point (PM): 55 °C;

- B7;

- B20

8 INSTALLATION**PRELIMINARY CHECKS**

Verify that all components are present. Request any missing parts from the manufacturer.

Check that the meter has not suffered any damage during transport or storage.

FOREWORD K150 ATEX meters can be installed in any position, on rigid pipelines or flexible hoses directly on pump or tanks.

The flow meter has a pre-fixed direction of flow, indicated by the arrow, selectable from the options indicated below and is applied in the selected configuration.

The reset knob can be installed either on the right side or on the left side of the meter.

The meter body is equipped with 4 blind holes (see diagram 2) which can be threaded (M5) for a possible fastening.

WARNING If solid particles enter the measuring chamber the correct working of the nutating disk may be affected. Always filter the fluid by installing a filter upstream from the meter (recommended filter 0.4 mm).

EXAMPLE OF AVAILABLE CONFIGURATIONS

VERSION "A" VERSION "B"

VERSION "C" VERSION "D"

VERSION "E" VERSION "F"

VERSION "G" VERSION "H"

VERSION "I" VERSION "J"

VERSION "K" VERSION "L"

VERSION "M" VERSION "N"

VERSION "O" VERSION "P"

VERSION "Q" VERSION "R"

VERSION "S" VERSION "T"

VERSION "U" VERSION "V"

VERSION "W" VERSION "X"

VERSION "Y" VERSION "Z"

VERSION "AA" VERSION "BB"

VERSION "CC" VERSION "DD"

VERSION "EE" VERSION "FF"

VERSION "GG" VERSION "HH"

VERSION "II" VERSION "JJ"

VERSION "OO" VERSION "PP"

VERSION "QQ" VERSION "RR"

VERSION "UU" VERSION "VV"

VERSION "YY" VERSION "ZZ"

VERSION "AA" VERSION "BB"

VERSION "CC" VERSION "DD"

VERSION "EE" VERSION "FF"

VERSION "GG" VERSION "HH"

VERSION "II" VERSION "JJ"

VERSION "OO" VERSION "PP"

VERSION "QQ" VERSION "RR"

VERSION "UU" VERSION "VV"

VERSION "YY" VERSION "ZZ"

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