Installation and Operation Instructions

Condensate Neutralizer

Regulus

1. General and Safety Warnings

Please read safety instructions.

This condensate neutralizer meets current safety requirements; improper use may cause damage to health and/or property.

Do not store the product and spare parts near heat sources and keep them away from frost.

Do not use this product to filter air, compressed gas or any other liquid apart from water.

Install it only to neutralize condensate from condensing boilers.

Before installing the neutralizer, verify that the operation of the heating system is in compliance with current regulations.

2. Proper Use

Acid condensate produced during condensation boiler operation shall be neutralized in condensate neutralizer; in order to be discharged freely, its pH shall be within certain range.

Install the neutralizer on the condensate drain; the tube that exits from the neutralizer can be routed into a normal sewer drain.

Condensate flowing from the boiler combustion chamber has a pH value of 4.

The condensate should have pH between 5.5 and 9 to be permitted to discharge freely into sewer.

Condensate neutralizer by Manta Ecologica shall be installed under the boiler, since it works on gravity principle, downstream the condensate flow, and it can be routed into a normal sewer drain, as it brings the pH back to neutral values (about pH 7).

Both the container and cartridge are transparent in order to allow easy verification of the charge and the cartridge condition, and if it needs a cartridge replacement.

The charge is gradually consumed as the condensate is neutralized.

Once the contents is exhausted, the cartridge shall be replaced with a new one.

The pace of its consumption depends on the use and output of the boiler.

Theoretical condensate volume:

Natural gas = 0,16 l/h x kW
LPG = 0,13 l/h x kW
GPL (butane) = 0,12 l/h x kW

Do not replace the cartridge until the neutralization grains are completely exhausted.

Cartridge code:13898.

3. Technical Data and Dimensions

Height	315 mm
Installation length	130 mm
Weight	1.77 kg
Connection	3/4"
PN	8 bar
Min./max. temperature	5 to 40 °C
Max. flow rate	18 l/h
Service life	9000 l
Recommended cartridge replacement	once a year

4. Installation

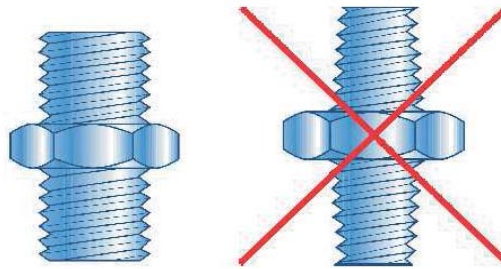Connect the pipes to the neutralizer with cylindrical connections only (see Fig. A).

Fig. A

Ensure that the water flow corresponds to the direction indicated by the arrows (IN/OUT) printed on the head of the neutralizer.

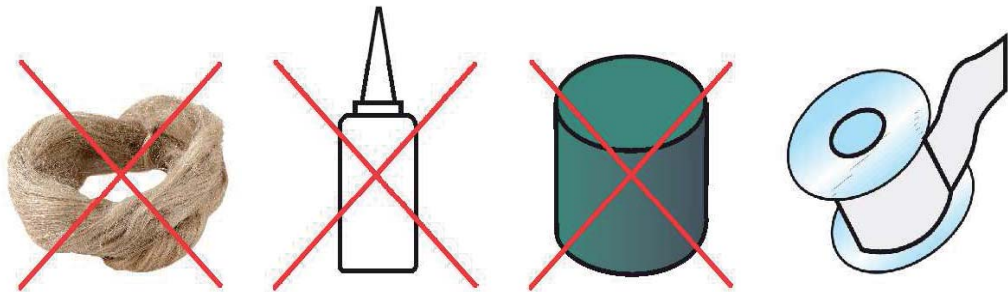**Do not use** hemp. paste, silicon; use Teflon tape instead (see Fig. B).

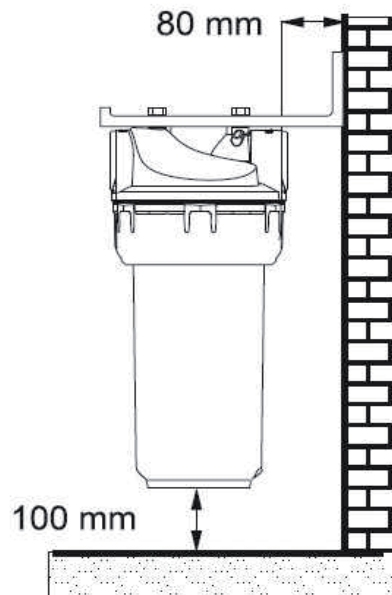Fig. B

Respect all the dimensions shown in Fig. C:

80 mm

100 mm

Fig. C

WARNING:

Make sure of the perfect lock of filters during their operation. Otherwise acid liquid leaks may occur.

WARRANTY CERTIFICATE

Condensate Neutralizer

Sold by: .... Date of purchase: ....

WARRANTY CONDITIONS

1. The warranty period is 24 months from the date of purchase.

2. The product shall be installed and commissioned by a competent company or a person trained by the manufacturer.

3. When claiming warranty, this Warranty Certificate must be submitted together with the purchase receipt.

4. The warranty is valid only when the technical conditions set by the Manufacturer, installation manual and instructions in the documentation and on the product itself are maintained.

5. The warranty does not cover defects caused by external conditions or improper working conditions, defects caused by normal wear and tear, further when the product is not used in compliance with its purpose and when the defect was caused by mechanical damage to the product, improper handling, tampering by a third person, improper installation, improper stocking, natural disaster etc.

COMMISSIONING

Company: ………………………………..

Date: ……………………..

Rubber stamp print and signature of the technician:

03/2015

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