

CE

Edition

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MIAS AB
I ÄNGELHOLM

MAINTENANCE AND OPERATING MANUAL
Pressure drop indicators
MDM 60, MDM 60E, MDM 60C



Please read the following instructions carefully before installing electronic drain unit into service. Trouble free and safe operating of the unit can only be guaranteed if recommendations and conditions stated in this manual are respected.

DESCRIPTION AND OPERATING PRINCIPLE

MDM 60 is magnetic differential manometer. It indicates the difference between inlet and outlet pressure. When the filter cartridge is clogged, the pressure on the inlet is higher than the outlet pressure of the filter. When the pointer reaches red area, filter cartridge is clogged and should be replaced.

MDM60 C – volt free contact indicates clogged filter cartridge

MDM60 E – LED indicates clogged filter cartridge

MDM 60 is made of reinforced plastic.

Maximum working pressure = 16 bar

Maximum temperature = 60 °C

SAFETY INSTRUCTIONS FOR INSTALLING AND OPERATING STUFF

Operator/user of the unit should make himself familiar with the function, installation and start-up of the unit through these operating instructions.

It is essential to follow these safety notes in order to ensure trouble-free operation of the unit.

All the safety information is always intended to ensure your personal safety.

- Pressure and temperature of the medium must match the details given on the type plate of the manometer.
- Installation work may only be carried out by trained and experienced specialists.
- Risk of explosion! It is not permitted to use this device in areas at risk from explosion or with explosive or flammable media!
- It is forbidden to carry out any kind of work on the manometer. Breaking this rule means extreme danger for you and your colleagues.
- Depressurize the system, before carrying out any work.
- Make a visual check before the initial start up. There must be no external damage visible.
- Use the unit for the appropriate purpose.

WARNING

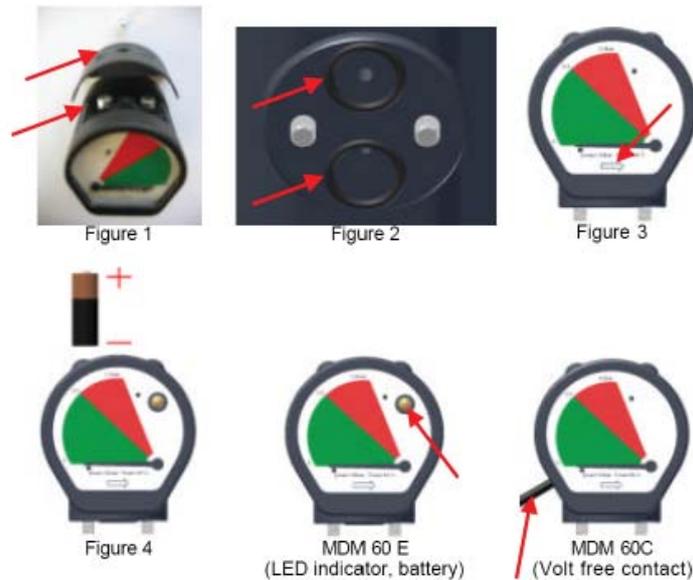
This device may only be used for its intended purpose. MDM 60 units are intended exclusively for the following purpose:

- Measuring difference between inlet and outlet pressure of filter.

Any other form of use or one going beyond this shall be considered as inappropriate. We shall have no liability whatsoever for any damage incurred as a result.

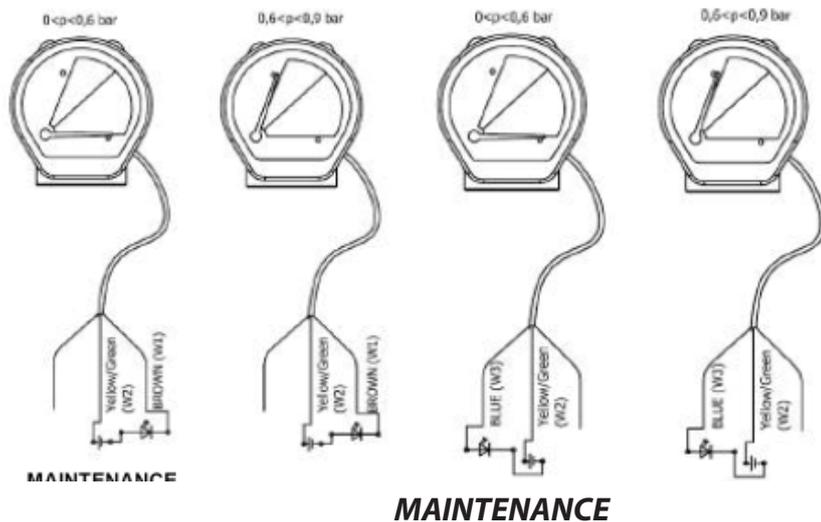
INSTALLATION

1. Take MDM 60 from the box and check if there is no external damage visible.
2. Unscrew the top plastic cover from MDM 60 body (see figure 1).
3. Unscrew two inox screws for 5mm.
4. Before you install MDM60 on the filter head, check if two O-rings on the bottom side are in the right position (see figure 2).
5. Put MDM60 on filter head. Arrow on the MDM 60 data plate indicates flow direction. In MDM 60E check the battery and be careful on the cable which is attached on the plastic cover (see figure 4).
6. Screw MDM 60 on the filter head
7. Put the plastic top cover on the MDM 60 and connect it with screw.



MDM 60 C Connection options

OPTION 1 (Normally closed circuit) OPTION 2 (Normally open circuit)



ATTENTION!

Never proceed service and maintenance work, if device is still under pressure.

- At least once a week check the device if there are some damages or other indications which can be a cause of failure of device.
- During any service or maintenance work, use only original parts. Usage of unoriginal parts is cause for warranty break.
- Use original spare parts

WARRANTY EXCLUSION

The guarantee shall be void if:

- The operating instructions were not followed with respect to installation, initial commissioning and maintenance.
- The unit was not operated properly and appropriately.
- The unit was operated when it was clearly defective.
- Non-original spare parts or replacement parts were used.
- The unit was not operated within the permissible technical parameters.
- Unauthorised constructional changes were made to the unit or if parts of the unit that may not be opened were dismantled.



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