

Use Guide

DAMPENER



User Guide

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General Information

This manual contains important information concerning the use of the pressure regulator and on the handling and installation of it. Therefore it is highly recommended to read carefully the following instructions before starting any work. All components are subject to strict quality and traceability checking procedures. The quality management system is certified according to the ISO 9001 regulation.

This instrument operates in safe conditions if correctly selected and installed in the system and when these operating instructions and the maintenance procedures that are established by the manufacturer are fully respected. The staff charged with the selection, installation and maintenance of the instrument must be able to recognize the conditions that may negatively affect the instrument's ability to work and which may lead to premature breakage. The staff must therefore be technically qualified and properly trained and must carry out the procedures called for in the plant regulations.

Safety



- The manufacturer declines all responsibility in case of damage caused by the improper use of the product and by the non-respect of the instructions reported in this manual
- In case of measurement of oxygen, acetylene, gas, toxic or inflammable liquids you are kindly requested to follow the specific safety procedures carefully
- Disconnect the instruments only after depressurization of the system.
- The process fluids residues of the disassembled instruments could affect people, the environment and the system. It is highly recommended to take proper precautions.



- Before installation be sure that the right instrument has been selected according to the working conditions concerning the range, the working temperature and the compatibility between the process fluid and the material used in the system.
- The product warranty is no longer valid in case of non-authorized modifications and improper use of the instrument.
- The user is fully responsible for the instrument installation and maintenance.
- Handle and stock carefully the instruments employed for toxic and inflammable liquids measurement.

In order to verify the working and manufacturing features of the instrument please refer to the most updated catalogue sheets that are available on line on the website www.nuovafima.com

3. Intended use

The pressure regulator is used to protect the instrument employed for pulsating pressures measuring, preventing the inner components from damaging or from losing calibration.

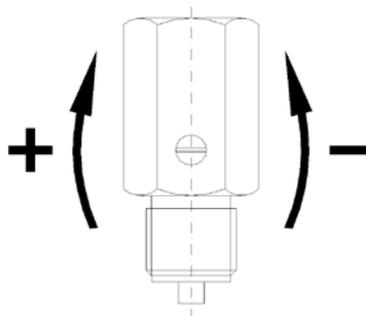
4. Installation

The pressure regulator must be mounted immediately after the pressure gauge. For this kind of mounting and for the process connection a proper wrench should be used, forcing on the regulator's body itself. If the process connections are cylindrical threaded a head gasket, which should be of the right size and compatible with the system fluid, should be employed. If the connection threading is conic a thread will ensure the correct tightness using sealing materials (PTFE tape). **Do not use PTFE tape on cylindrical threads.**



5. Adjustment

When supplied the pressure regulator is not assembled and not adjusted. This last operation should be carried out after installation according to the pressure range to be stabilized. On one of the instrument's exagone faces there is an adjustment point which allow to increase or decrease the process fluid flow by using a screwdriver. A more accurate pressure reading will be possible adjusting the process flow pressure by rotating the screw clockwise in order to decrease and counterclockwise in order to increase the flow.



6. Disposal

Dispose of the instrument components and of the packing materials in an environmentally compatible way in accordance with the state of origin specific disposal regulations.