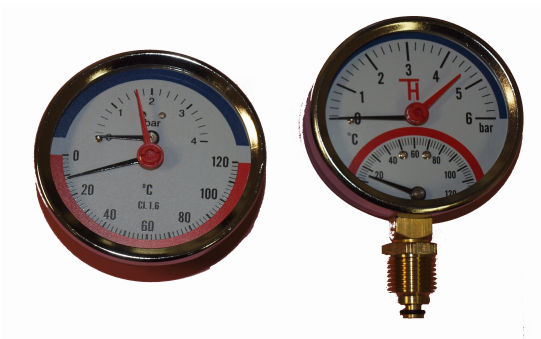
INSTRUCTION MANUAL

Thermomanometers



THERMIS MĚŘÍCÍ A REGULAČNÍ TECHNIKA

➢ Safety and use instructions

Thermomanometers should be chosen according to pressure range, technical use and specific qualities of used medium. Load limits must be met to ensure long-term accuracy of measurement. The installation and assembly can only be performed by qualified personnel.

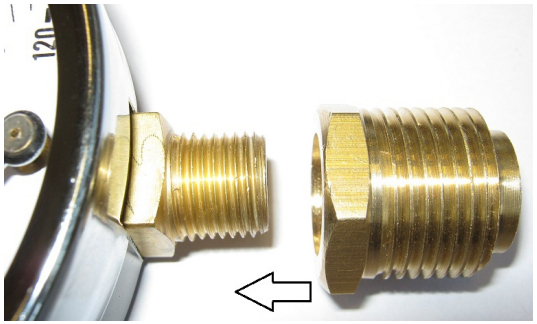
Subjecting the thermomanometers to higher pressure shocks than designed for can cause damage of the weld or inaccuracies. After such incresed load all thermomanometers must be replaced.

➢ Mechanical connection

Connecting thread on body of thermomanometer G1/4“. Safety valve with thread G1/2“ is part of the packing. This thread is used for connection into the system. Sealing of the thread connections is done by a standard sealing material, which meets the requirements of the particular application, usually teflon tape of thread.

➢ Installation requirements

While installing the themomanometer into the safety valve, remember that the thread must be tightened all the way down the thread, so that a full opening of the safety valve occurs. Use wrench no.14 – for thread G1/4“ of body of the thermomanometer, wrench no.21 for thread G1/2“ of body of the safety valve.



➢ Surrounding and working temperature

Temperature of surroundings is determined Tmin. -20°C , T max. 60°C. The difference of working temperature of the medium and surroundings may not exceed 60-70°. Exceeding this value of difference will result in condensation in the thermomanometer and damage to the measuring system. The condensation is caused by signaificant difference in temperature of the medium and the environment. Further condensation may cause sediment load in the body of the appliance and further damage of the measuring system.

➢ Storing conditions

Thermomanometers should be transported and stored in original packings up to the point of installation. Thermomanometers must be protected from outer damage during the storing period. Thermomanometers are to be used in dust-free environment.
Storing temperature: -40°C+70°C. All pressure gauges that were removed from operations should be protected from dust and moist.

➢ Maintanance and operation

Thermomanometers require no maintanance and service. Tests should be performed regularly to ensure the accuracy of measurement. Tests and calibration can be done by qualified personnel with relevant equipment only.