

MOSAICO PROJECT

Evora 24th October 2023



TOWARDS THE STANDARDIZATION OF MOLTEN SALT LOOPS' INSTRUMENTATION AND COMPONENTS

Pressure sensors

Presented by:

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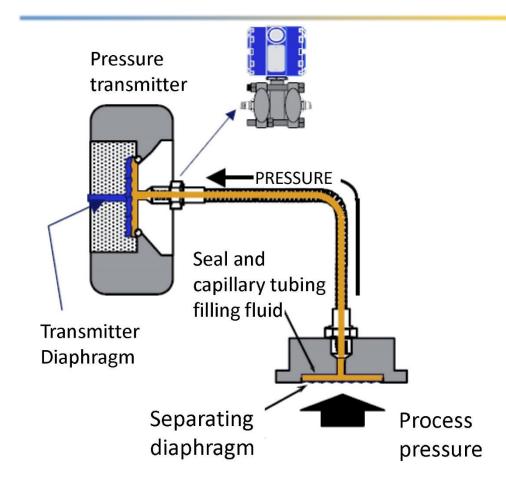
Motivation and objectives

Objective:

 Verify the correct behavior of the pressure gauge under different temperature and pressure conditions

Metodology

 Compare the measured values with those from another calibrated pressure transmitter working in the same loop, but which is in contact with a friendlier fluid at the same pressure as the molten salts



Test definition

Test at constant pressure:

Once pressure stabilize, both pressure gauges should show similar readings.



Results

Test at constant pressure:

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For every defined temperature set point in the test (at a constant pressure) pressure is varied in steps of 0.5 to 1 MPa, waiting at least 5 minutes for pressure stabilization after each step.

