

REPORT

KAN-therm System Tightness test



Investor:

Investment/address:

Contractor of the installation:

Storey/room:

KAN-therm System assembly:

Installation of hot and cold water and its circulation

test pressure $P_{\text{rob}} \times 1.5$ [bar]

Heating and ice water installation

Test pressure $P_{\text{rob}} + 2$ [bar], but not less than 4 bars

Installation of compressed air

Test pressure of 3 bar, but not more than $P_{\text{rob}} \times 1.5$ [bar].

Before carrying out the tightness test, disconnect the expansion vessels, fittings which may disrupt the test (e.g. differential pressure regulators, safety valves) and any other installation components of acceptable working pressure lower than the test pressure. Thoroughly flush the installation before the test, fill it up with clean agent and vent it (not applicable to compressed air systems). The temperature of the agent should be stabilized against the ambient temperature. After the test, leave the system components meant for covering in building envelopes under pressure, even at the time of laying jointless floor/mortar. In the test use dial pressure gauge of measuring range 50% higher than the test pressure and the scale interval of 0.1 bar. Connect the manometer at geometrically the lowest point of the installation. The ambient temperature should not change during the test.

Carry out the water test of plastic installations in two stages:

I initial test - duration: **60 min.**, generating pressure 3 times every 10 min. to the initial value, the acceptable pressure drop not higher than 0.6 bar.

II main test - duration: **120 min.** with the acceptable pressure drop of 0.2 bar.

KAN-therm metal systems need only main water test, where the pressure drop is not acceptable. Pressure drops above the acceptable value and leakages or condensation are not considered a successful test.

In case of a pressure test using compressed air, make sure that the agent used in the test did not contain any oil or humidity. The ambient temperature of the installation cannot change within the range higher than $+/- 3$ °C. Locate potential leakiness acoustically or by means of foaming liquids approved by the producer.

COURSE OF TIGHTNESS TEST:

Test date:

Ambient temperature:

Test pressure:

Duration of initial test

Pressure drop:

Duration of main test:

Pressure drop:

Test result:

POSITIVE

NEGATIVE

Place and date

Signature of the Contracting Party

Signature of the Contractor