



PROTOCOL

Tightness test of
KAN-therm systems
Medium: compressed air

Investor:

Investment/address:

Contractor of the installation:

Storey/room:

Name of the system:

All pipes should be sealed with metal plugs, caps, inserts, plastic plugs or blind flanges. Appliances, pressure vessels and water heaters must be disconnected from the pipes. A visual inspection should be carried out to check that the installation has been carried out correctly. The air used for the test must be oil-free. In the case of the KAN-therm Steel system, the compressed air must also be free of moisture. The ambient temperature of the installation under test must remain constant (max. ± 3 °C). Any leaks detected can be located acoustically or visually, using a foaming agent approved by KAN Technical Support Department. For a leak test at a pressure of 110 mbar (0.11 bar) for a pipe volume of 100 l, the test duration is at least 30 minutes. For every additional 100 l of system capacity, the test duration must be extended by 10 minutes. The pressure gauge must allow for effective verification of the pressure at 110 mbar. Subsequently, a load test must be carried out at an elevated pressure, not exceeding 3 bar (0.3 MPa).

Pipes capacity L

Duration time min

TIGHTNESS TEST

Test pressure	Duration time:	Were leaks located during the visual inspection?	Did the test reveal pressure change?
110 mbar (0,11 bar)	30 minutes (up to a capacity of 100 litres; for every additional 100 litres, extend the test time by 10 minutes)	YES <input type="checkbox"/> NO <input type="checkbox"/>	YES <input type="checkbox"/> NO <input type="checkbox"/>

LOAD TEST WITH INCREASED PRESSURE

Test pressure	Duration time	Did the test reveal pressure drop?
≤DN50 maximum 3 bar <input type="checkbox"/>	10 min	YES <input type="checkbox"/> NO <input type="checkbox"/>
>DN50 maximum 1,5 bar <input type="checkbox"/>		

SUMMARY:

Date of test:

Ambient temperature:

Test result:

POSITIVE

NEGATIVE

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Date of test

.....
Ordering party signature

.....
Contractor signature