PRESSURE TESTING

START PRESSURE TESTING NOT EARLIER THAN 2 HOURS AFTER COOLING DOWN PERIOD!

Preparations:
Medium: Potable water (We don’t recommend air for pressure testing!)
Measuring point: Lowest point of the piping system

Preliminary test:
After filling the piping system with potable water, thoroughly ventilate it and separate the piping system from main supply.
The duration depends on the size of the system. Usually it takes 1 hour.
The pressure is 1.5 times working pressure.
The pressure has to be checked and built up again after 10, 20 and 30 mins.
The pre-test is successful, if the pressure drop between 30 mins and 1 hour is less than 0.6 bar.

Main test:
Should be carried out immediately after the preliminary test.
The duration is 2 hours.
The main test is successful, if the pressure drop is less than 0.2 bar.

Pressure Test Diagram (DIN 1988 TRWI)

Test pressure: For an operating pressure of 8 bar, a testing pressure of 12 bar should be used.

\[ P_{\text{Test}} = 1.5 \times P_{\text{operating}} \]
Pressure test protocol

Object: ____________________________________________________

Preliminary test

Begin the test with A 12 bar

Pressure after 30 minutes B ___ bar

Pressure after 60 minutes C ___ bar
(max. pressure drop of 0.6 bar between 30 mins and 1 hours)

Leakage □ yes □ no

Main test

Begin after successful preliminary test with C ___ bar

Pressure after 120 minutes D ___ bar
(max. Pressure drop of 0.2 bar since the beginning)

Leakage □ yes □ no

Plumber / Company:

Date ________________ Signature _______________________

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