

Leak test protocol - Tap water installation:

Leak test must always be performed, and as a starting point be carried out with water as test medium. Roth Anti-frost fluid may be added the test water, if the installation remains unused in a freezing environment over a period after testing - **Note that the installation must be flushed at least 3 times with clean water afterwards.** If a pressure test is carried out with air or gas, the national regulations must be followed. Pressure test with air must always be followed by a pressure test carried out with water before the installation can be put into service.

Responsible installer:	Test performed by:	Date and time of test:
Address of construction site:		
System installed: <input type="checkbox"/> Roth MultiPex® <input type="checkbox"/> Roth Alu-LaserPlus®	System application:	
External factors that may affect the test: Test medium temperature (MT): _____ Ambient temperature (AT): _____ Temperature difference (AT-MT): _____		

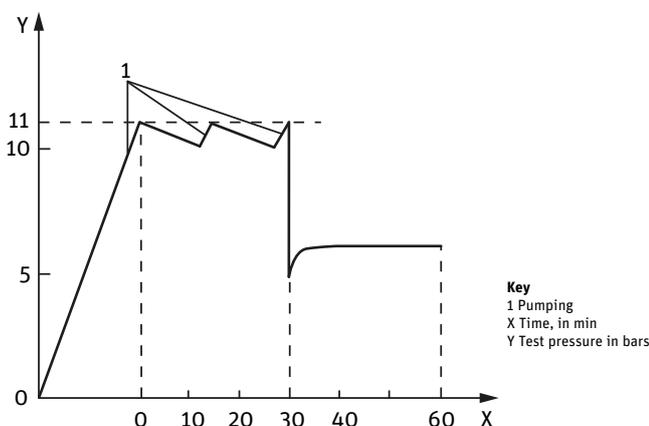
Checklist run-through before testing (mark if OK):

- Check that the test pump has been inspected within the last 12 months. The accuracy of the test pump must be 0.2 bar or better.
- Check that the temperature difference between the water supplied, and the ambient temperature does not exceed 10°C - if this is the case, the test waters temperature is adjusted and after a 30-minute temperature adjustment period the actual pressure test can be started. Ambient temperature must not exceed 25°C during the test period.
- Make sure that the installation is slowly supplied with clean, non-particulate (≥ 0.15 mm) water and is continuously vented, when applying the test water.
- If the installation is fitted with crimped fittings (PressCheck), these must be tested 10 minutes with 1,5 bars prior to the final leak test.

Leak test procedure:

Installations are pressurized with water at a pressure of 11 bar for a minimum of 30 minutes. If pressure drop occurs within the first 30 minutes, fill up a maximum of 2 times, then the pressure must be stable. After the initial 30 minutes at 11 bars, reduce the pressure to 5.5 bar and hold this the following 30 minutes.

See illustration below:



The installation is considered leak tight if:

- A) the pressure is equal to or greater than 11 bars after 30 minutes if refilling has not been required or,
- B) if the pressure is equal to or greater than 5.5 bar after a total of one hour.
- If pressure is dropping after point A and B, hold 5.5 bar using the pressure test pump to locate and correct any leak immediately!

Test result: <input type="checkbox"/> OK <input type="checkbox"/> NOT OK	Pressure test, start time:	Pressure test, end time:
--	----------------------------	--------------------------