



JULY 2022 | CASE STUDY

LEAK TESTS OF HEAT INTERFACE UNITS

The global climate crisis has initiated industrial change toward sustainable and low carbon emission solutions. Along with this global trend, new solutions have also been found in the HVAC industry. It is challenging to achieve low carbon emission targets with traditionally used heating systems such as residential-based combi boilers and electric heaters. For this reason, the use of central heating systems is increasing worldwide. Achieving low CO₂ emission targets with central system heating systems is possible with a more holistic approach. However, in central system heating systems, energy usage should be measured in terms of time and temperature parameters so that end users are billed with a fair method.

TEST PARAMETERS

- 2 Bar test pressure
- 5s test time
- Max 2.6 mBar pressure drop



TEST METHOD

Heat interface units are integrated systems used to transfer the heat produced in a central heating system to the end consumer and to monitor the amount of energy used by the household for billing. For ease of maintenance and follow-up, heat interface units, which are usually installed in apartment corridors, should have leakproof property. In order to prevent the sustainable use of energy and water and to prevent infrastructure problems caused by leakage, leak tests are applied to all products coming out of the production line. Leak tests performed with BT 4000 Series Leak Testing Devices using the pressure decay method are fast and automatic.

