

Competence creates Confidence.



• Model no. 1772

## LOAD BOX

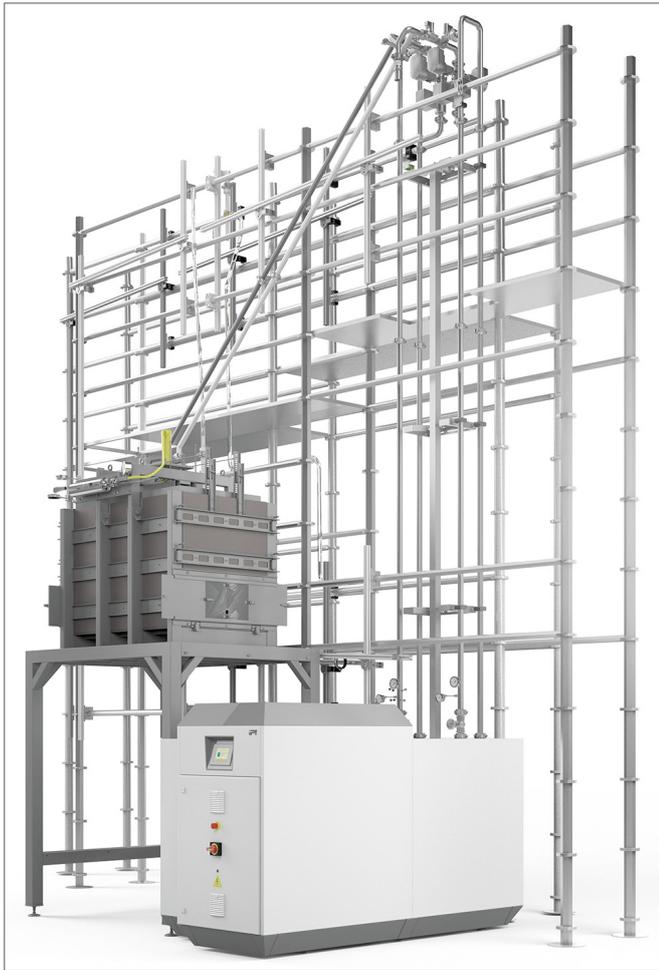
ISO 13260



Flexible  
and modular

The load box is an extension of the temperature cycling tester for waste water. This option simulates testing of a pipe installed in the ground. The test pipe is embedded in filler material inside a load box for that purpose.

Static, hydraulic pressure is applied from the top. During the test, the operator can inspect the installed sample for crack formation, local bending as well as leak-tightness of the connections.



Load box

- Flexible and modular design
- Quickly removable side walls for fast and convenient emptying of the box
- Filling and emptying the material possible outside the laboratory
- Integrated and highly accurate sensor technology
- Deformation-resistant construction
- High-quality device components for high reliability, long service life and low maintenance costs
- IPT DataLogging interface



Accessories for leak testing

**Standard features**

- Platform for height adjustment
- Deformation-resistant construction
- Tamper for compacting the filling material
- Hydraulic pressure loading unit with manometer, manually operated
- Transportable for filling/emptying outside the laboratory
- Easily removable side walls for quick emptying
- Device for generating water pressure for leak testing
- Connectors for sensors

**Options**

- Test specimen closures for inlet and outlet
- Sensor for measuring the internal diameter of the pipe
- Measurement of pressure load in IPT DataLogging
- Spray pipe (for different pipe dimensions and geometries)
- Baffles for testing different pipe diameters

**Design LOAD BOX**

V1772-0002

**Load box**

Maximum permissible pipe diameter	mm	205
Length (inside)	mm	1,300
Width (inside)	mm	700/800 (divisible)
Weight (filled)	kg	approx. 2,000

**Pressure measurements**

Pressure measurement and recording during leak test	✓
Measurement accuracy	±0.25% of final value

**Temperature measurement**

Cold water sensor in inlet	✓
Hot water sensor in inlet	✓
Hot water sensor in outlet (test method B)	✓
Peak temperature sensor (test method A)	✓
Measurement accuracy	±0.3% of the final value