Competence creates Confidence.

Model no. 1772

LOAD BOX

ISO 13260

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.

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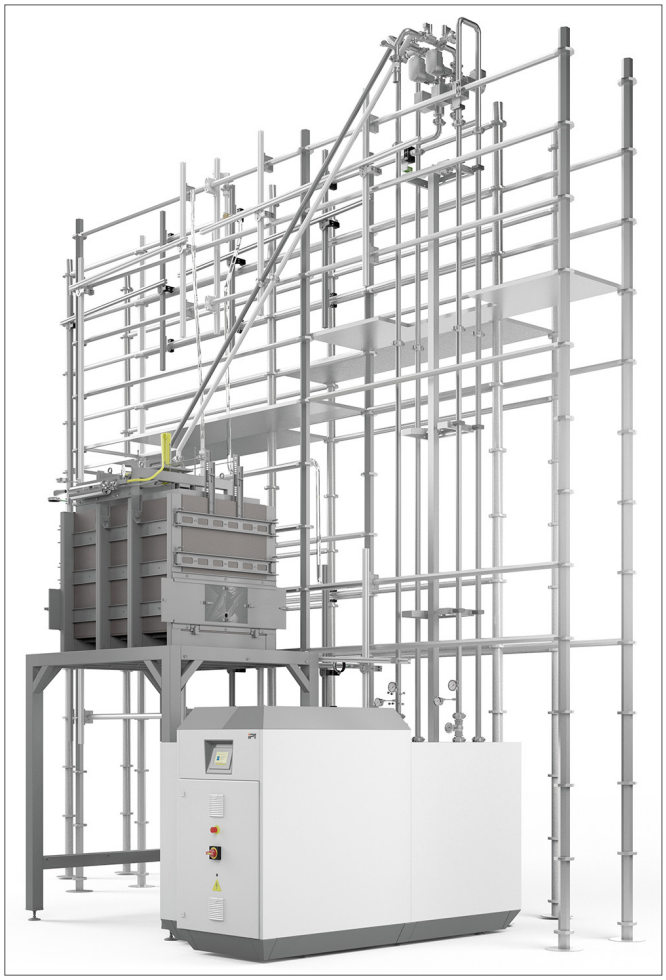

Load box
- Flexible and modular design
- Quickly removable side walls for fast and convenient emptying of the box
- Filling and emptying the material possible outside the laboratory
- Integrated and highly accurate sensor technology
- Deformation-resistant construction
- High-quality device components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

Accessories for leak testing

Standard features

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

Options

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

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