

Test oven for pipe testing › Model no. 1776

Sliding sample racks

Sample containment cages that can be loaded individually

Inspection window made from safety glass

Standards

ISO 1167

ASTM D 1598

ASTM D 1599

Description

The internal pressure creep test is a test procedure for determining the strength of thermoplastic pipes. The samples are subjected to a constant hydrostatic internal pressure at a constant ambient temperature either for a specified period or until they fail. The test duration is subject to the tension generated by the internal pressure and the temperature.

The IPT test ovens are specially designed for testing thermoplastic pipes and fittings. The high reliability,

long service life of the materials used and the constant temperatures in the test oven with respect to both volume and time provide particularly reliable test conditions. The efficient use of energy with low servicing and maintenance costs guarantees efficient long-term operation. There are a wide range of connection options, enabling the ovens to be flexibly adapted to various operating conditions.

Simple and safe operation

- Sliding rack system enables the individual connections to be fitted more easily outside the oven
- Doors locked with safety switches and retrieval of the test pressure before doors are released

Reliable test results

- Constant test temperatures thanks to highly-efficient water circulation and precise temperature control in the inner chamber

Lasting efficiency

- High-quality stainless steel test oven (1.4571)
- High-quality oven insulation and insulated doors for minimum energy loss
- High-quality unit components guarantee high reliability, a long service life and low maintenance costs

State-of-the-art technology

- Extremely accurate temperature control in the entire inner chamber thanks to exceptionally high-performance circulating air system
- Interface to IptDataLogging®






Version

| | | V1776-0001 |
|-------------------------------------------|----|--------------------------------------------------------------------------------------|
| Temperature range | °C | +40 to +140 |
| Control | | In increments of 0.1 °C, adjustable via temperature controller |
| Temperature constancy | °C | ±2.0, spatial and temporal |
| Temperature sensor | | Pt 100 1/3 DIN |
| Number of samples | | Max. 30 with max. Ø of 100 mm |
| Sample length | mm | Max. 2500 |
| Manifold systems | | On request |
| Defect monitoring | | When using IptDataLogging® data transfer via interface on the temperature controller |
| Lifting carriage for inserting the sample | | <input type="radio"/> |
| Operation via IptDataLogging® | | <input type="radio"/> |
| Compatible with IptDataLogging® | | From version 5.x |
| CE conformity | | <input checked="" type="radio"/> |
| Permissible ambient temperature | °C | +5 to +30 |
| Permissible relative humidity | | Max. 70%, non-condensing |
| Noise emission | | <70 dB(A) |
| Width (internal) | mm | 1100 |
| Depth (internal) | mm | 950 |
| Height (internal) | mm | 2700 |
| Width (external) | mm | 1950 |
| Depth (external) without racks | mm | 1700 |
| Depth (external) with racks | mm | 2700 |
| Height (external) | mm | 3250 |
| Weight | kg | 1550 (without samples) |
| Voltage data | | 230/400 V, 50 Hz (other voltages on request) |

included
 available/optional
 eligible
 - not available

» Accessories

| Product | Description | Model no. |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------|
|  | Pipe testers <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | 1720 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> |
|  | Endclosures <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | 1732, 1733 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> |
|  | iptDataLogging® test data management software <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | 1613 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> |