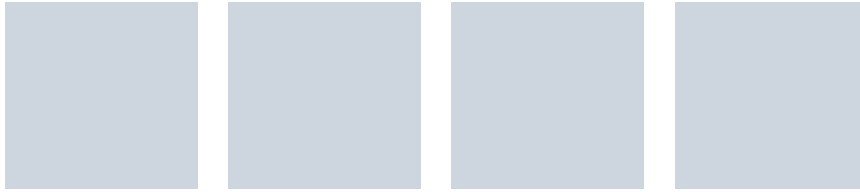


Test oven for pipe testing › Model no. 1662, 1674



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 to constant hydrostatic internal pressure at a constant ambient temperature. The samples are tested 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. These are characterised

by their dependability with respect to spatial and temporal temperature constancy, high reliability and durability. At the same time, they guarantee efficient long-term operation thanks to a high degree of energy efficiency with low servicing and maintenance costs.

Various distribution and connection configurations enable the unit to be adapted to specific customer requirements. The sliding sample racks available as an option provide optimum operating convenience and ergonomic handling.



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 (1.4301)
- 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 system
- Interface to IptDataLogging®

› Versions

	V1 662-0001	V1 662-0020	V1 662-0021	V1 674-0001
Temperature range	40 – 120	40 – 140	40 – 160	40 – 120
Spatial and temporal temperature constancy up to 120 °C	±0.1	±0.1	±0.1	±0.1
Spatial and temporal temperature constancy above 120 °C	–	±0.15	±0.15	–
Regulating accuracy	±0.2			
Temperature control	●			
Overtemperature shutdown	●			
Inner chamber material	1.4301			
Base frame with 2 drawers	○			–
Sliding sample racks	○			–
Operation via IptDataLogging®	○			
Compatible with IptDataLogging®	From version 4.x			
CE conformity	●			
Permissible ambient temperature	+5 to +30			
Permissible relative humidity	Max. 70%, non-condensing			
Width (internal)	800			900
Depth (internal)	600			600
Height (internal)	750			1500
Width (external)	1450			1700
Depth (external) with/without sliding sample racks	1430/870			1150
Height (external)	1950			1950
Heating power	1.5			3
Voltage data	230 V, 50/60 Hz (other voltages on request)			

● included ○ available/optional □ eligible – not available

» Sliding sample racks

	V1 662-0005	V1 662-0006	V1 662-0007	V1 662-0010	V1 662-0018
Terminal block material	Brass	Brass	Brass	Brass	Stainless steel
Number of racks	5	5	5	5	5
Connections per rack	5 x 1	2 x 3	1 x 5	2 x 5	5 x 1
Individual pressures	25	10	5	10	25
Maximum sample diameter DN	63				
Pressure range up to	100				

Further connection configurations such as fixed sample racks, a burst pressure connection, components for bottle testing in accordance with ASTM D 2561 and customer-specific connections are available on request.

● included ○ available/optional □ eligible - not available

»» Accessories

Product	Description	Model no.
	Pipe testers <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1720 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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