

Model no. 1662/1674

TEST OVEN FOR PIPE TESTING



According to

ISO 1167

ASTM D 1598

ASTM D 1599

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.

EASY 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®



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VERSION TEST OVEN FOR PIPE TESTING		V1662-0023	V1662-0024	V1662-0025	V1674-0005	V1674-0006
Temperature range	°C	40 - 120	40 - 140	40 - 160	40 - 120	40 - 140
Spatial and temporal temperature constancy up to 120 °C	°C	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0
Spatial and temporal temperature constancy above 120 °C	°C	-	± 1.5	± 1.5	-	± 1.5
Regulating accuracy	°C				± 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 6.x	
CE conformity					✓	
Permissible ambient temperature	°C				+5 to +40	
Permissible relative humidity	%				max. 70 non-condensing	
Width (internal)	mm				800	
Depth (internal)	mm				600	
Height (internal)	mm				750	
Width (external)	mm				1,450	
Depth (external) with/without sliding sample racks	mm				1,430/870	
Height (external)	mm				1,950	
Heating power	kW				1.5	
Voltage data					230/400V, 50/60 Hz * other voltages	

✓ included

+ available/optional

○ eligible

- not available

* available upon request

VERSION TEST OVEN FOR PIPE TESTING

	V1662-0005	V1662-0006	V1662-0007	V1662-0010	V1662-0018	
Terminal block material	Brass	Brass	Brass	Brass	Brass	
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	
Min. spacing of connection plugs	mm	120	113	113	81	120
Pressure range up to	bar		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

* available upon request

ACCESSORIES TEST OVEN FOR PIPE TESTING

Product	Description	Model no.
	Pipe testers	1720
		1774
		1785
	Enclosures	1732
		1733
	Test data management software IptDataLogging®	1780