

Model no. 1776

## TEST OVEN



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. 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 longterm operation. There are a wide range of connection options, enabling the ovens to be flexibly adapted to various operating conditions.

## 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 (1.4571)
- > 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 TEST OVEN		V1776-0001
Temperature range	°C	+40 to +140
Temperature adjustment		adjustable in steps of 0.1 °C via temperature controller
Temperature constancy spatially and temporally	°C	± 2.0
Control accuracy	°C	± 0.2
Max. number of samples (Ø 100 mm)		30
Max. sample length	mm	2,500
Manifold systems		*
Monitoring of malfunctions		when using IptDataLogging® data transfer via interface on the temperature controller
Lifting carriage for inserting the sample		+
Operation via IptDataLogging®		+
Compatible with IptDataLogging®		from version 5.x
CE conformity		✓
Permissible ambient temperature	°C	+5 to +40
Permissible relative humidity	%	max. 70 non-condensing
Noise emission	dB(A)	< 70
Width (internal)	mm	1,100
Depth (internal)	mm	950
Height (internal)	mm	2,700
Width (external)	mm	1,950
Depth (external) without racks	mm	1,700
Depth (external) with racks	mm	2,700
Height (external)	mm	3,250
Weight	kg	1,550 (without samples)
Voltage data		230/400 V, 50 Hz * other voltages

✓ included

+ available/optional

O eligible




– not available

\* available upon request

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## ACCESSORIES TEST OVEN

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