

Test baths for pipe testing › Model no. 1751-1757

Top-up stopping device when replacing sample				Standards <hr/> ISO 1167 <hr/> ASTM D 1598 <hr/> ASTM D 1599 <hr/>
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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 baths are specially designed for testing thermoplastic pipes and fittings. The high reliability, durability of the materials used and the constant temperatures in the test tank with respect to both volume and time provide particularly reliable test conditions. The efficient use of energy with low servicing and maintenance costs guarantee efficient long-term operation. There are a wide range of tank dimensions and connection options, enabling the tanks to be flexibly adapted to various operating conditions.

Simple and safe operation

- Motor-operated lid

Reliable test results

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

Lasting efficiency

- High-quality stainless steel test tank (1.4571)
- Double insulation of the basic tank and insulated lid for minimum energy loss

- Option to connect a chiller and plate heat exchanger to provide efficient and environmentally-friendly water cooling for low test temperatures

State-of-the-art technology

- Integrated monitoring of tank level, temperature and circulation
- Interface to IptDataLogging®
- Connection to Pipeson Data Manager Software



› Versions



	V1751-0351	V1751-0352	V1751-0311	V1751-0312	V1751-0313	V1752-0361	V1752-0362	V1752-0312
Water depth	mm	800	800	800	800	800	1000	1000
Width (internal)	mm	500	500	1000	1000	1000	700	700
Length (internal)	mm	1100	1600	1000	1500	2000	1100	1600
Width (external)	mm	980	980	1380	1380	1380	1180	1180
Length (external)	mm	1480	1980	1630	2220	2720	1480	1980
Height closed (external)	mm	1220	1220	1220	1220	1220	1420	1420
Height open (external)	mm	1850	1850	2500	2100	2340	2280	2300
Number of manifold slots		4+1+1	6+1+1	3+3+4	5+5+4	7+7+4	4+2+2	6+2+2
Number of suspension rails (included)		2	2	2	3	3	2	3
Heating power	kW	6	6	9	18	18	6	6
Inner tank material		1.4571/AISI 316 Ti/UNS S 31635						
All parts coming into contact with water stainless		●						
All parts coming into contact with water free of Cu ions		○						
Water temperature	°C	Min. ambient temperature + 10/max. 95						
Water temperature (for fresh-water cooling)	°C	Min. 20 or fresh-water temperature/max. 95						
Water temperature (with chiller)	°C	Min. 20/max. 95						
Water temperature adjustable in increments of	°C	0.1						
Spatial and temporal temperature constancy	°C	±0.3						
Temperature control with regulating accuracy	°C	±0.025						
Circulation system with monitoring		●						
Connection and interface for chiller and heat exchanger		●						
Overtemperature shutdown		●						
Monitoring of water level		●						
Automatic top-up		●						
CE conformity		●						
Voltage data		230/400 V, 50/60 Hz (other voltages on request)						

● included ○ available/optional □ eligible - not available


› Versions



	V1753-0312	V1753-0323	V1754-0313	V1755-0323	V1755-0337	V1757-0337	
Water depth	mm	1300	1300	1600	1800	1800	2200
Width (internal)	mm	1000	1500	1000	1500	2000	2000
Length (internal)	mm	1500	2000	2000	2000	4000	4000
Width (external)	mm	1380	1880	1480	1980	2480	2560
Length (external)	mm	2220	2670	2720	2720	5030	5180
Height closed (external)	mm	1720	1720	2020	2230	2230	2620
Height open (external)	mm	2600	2840	3145	3340	3340	3700
Number of manifold slots		5+5+4	7+7+5	7+7+4	7+7+5	15+15	15+15
Number of suspension rails (included)		3	3	3	3	5	5
Heating power	kW	18	18	18	18	54	54
Inner tank material		1.4571/AISI 316 Ti/UNS S 31635					
All parts coming into contact with water stainless		●					
All parts coming into contact with water free of Cu ions		○					
Water temperature	°C	Min. ambient temperature + 10/max. 95					
Water temperature (for fresh-water cooling)	°C	Min. 20 or fresh-water temperature/max. 95					
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Temperature control with regulating accuracy	°C	±0.025					
Circulation system with monitoring		●					
Connection and interface for chiller and heat exchanger		●					
Overtemperature shutdown		●					
Monitoring of water level		●					
Automatic top-up		●					
CE conformity		●					
Voltage data		230/400 V, 50/60 Hz (other voltages on request)					

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» 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/>
no image	Chiller/heat exchanger <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1622 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
	Endclosures <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1732, 1733 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
	Suspension hook for sample <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1079 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
	Connecting hoses Manifold <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1074, 1577 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
	lptDataLogging® test data management software <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1613 <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>