

Model no. 1751 – 1757

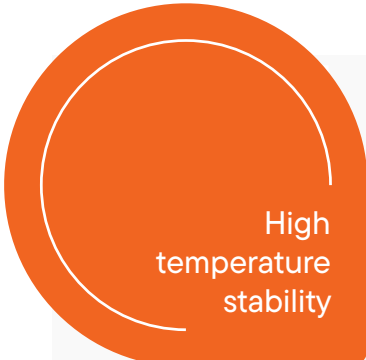
TEST BATHS FOR PIPE TESTING

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

ISO 1167

ASTM D 1598

ASTM D 1599



High
temperature
stability



IPT test baths guarantee high operational safety

- 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 bath 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.
- A special circulation system, in conjunction with a high-precision temperature controller, ensures even temperature distribution throughout the entire tank and a temporal consistency of $\pm 0.3^{\circ}\text{C}$. All specimens are tested under the same conditions and with extremely low energy consumption – a matter of course for IPT.
- IPT test baths are equipped with optional temperature protection and all electrical safety devices are equipped according to VDE provisions.
- Use the dimensions of your specimens to determine the water depth and internal base area of your test bath. The standard models currently available, sorted by internal dimensions, can be found in the table opposite.
- Even the tall tanks can be conveniently loaded thanks to recessed installation or stairs and platforms.
- The variety of lid designs makes it possible to install the tanks even in rooms with a limited ceiling height.
- With sliding suspension rails and a wide range of manifold variants, which can also be retrofitted, you have flexibility when equipping your specimens.



Standard features

- | | |
|--|---|
| ● Test bath made of high-quality stainless steel 1.4301 / AISI 304 / UNS S 30400 | ● Motor-operated cover control |
| ● Constant test temperatures due to highly efficient water circulation and precise temperature control in the inner tank | ● 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 | ● Integrated monitoring of tank level, temperature and circulation |
| ● Overtemperature shutdown | ● Interface to IPTDataLogging® |
| ● CE conformity | |





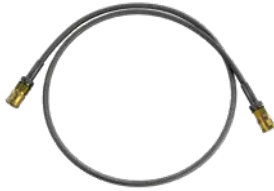

Options

- | | |
|--|--|
| ● Test bath of 1.4571 / AISI 316 / UNS S 31635 available | ● All parts coming into contact with water are stainless |
| ● All parts coming into contact with water are free of copper ions | |

Version (1) TEST BATHS FOR PIPE TESTING		V7451-0351	V1751-0352	V1751-0311	V1751-0312	V1751-0313	V1752-0361	V1752-0362	V1752-0312
Water depth	mm	800	800	800	800	800	1000	1000	1000
Width (internal)	mm	500	500	1000	1000	1000	700	700	1000
Length (internal)	mm	1100	1600	1000	1500	2000	1100	1600	1500
Width (external)	mm	980	980	1380	1380	1380	1180	1180	1380
Length (external)	mm	1480	1980	1630	2220	2720	1480	1980	2220
Height closed (external)	mm	1220	1220	1220	1220	1200	1420	1420	1420
Height open (external)	mm	1850	1850	2500	2100	2340	2280	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	5+5+4
Number of suspension rails (included)		2	2	2	3	3	2	3	3
Heating power	kW	6	6	9	18	18	6	6	18
Water temperature	°C	Min. ambient +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 tempera- ture constancy	°C	±0.3							
Temperature control with regulating accuracy	°C	±0.025							
Voltage data		230/400 V, 50/60 Hz *Special voltage							

Version (2) TEST BATHS FOR PIPE TESTING		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
Water temperature	°C	Min. ambient +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					
Voltage data		230/400 V, 50/60 Hz *Special voltage					

Accessories TEST BATH FOR PIPE TESTING

Product	Description	Model no.
	Pipe tester	1720
		1774
		1785
		1814
	Chiller/heat exchanger	1765
	End closures	1732
		1784
		1685
		1810
	Suspension hook for sample	1079
	Connecting hoses	1074 1577
	Testing data management software IPTDataLogging®	1780
