

Competence creates Confidence.



● Model no. 1678

TEST TANK

ISO 1167

ASTM D 1598

ASTM D 1599

Optimised heating
performance



The IPT test tank for internal pressure creep testing is characterised by state-of-the-art technology, maximum safety and optimised heating power with very low energy consumption. We recommend the use of the optionally available cooling unit for constant operation of the test tank at a test temperature of 20°C. In the event of operation

without an optional cooling unit, cooling is carried out by means of a regulated supply of fresh water. The minimum test temperature that can be reached is therefore dependent on the ambient temperature and the temperature of the added fresh water.

IPT test baths guarantee high operational safety

A special circulation system, in combination with a high-precision temperature controller, ensures homogeneous temperature distribution throughout the entire test bath and a temporal consistency of $\pm 1.0\text{ }^{\circ}\text{C}$.

- All test baths are tested in accordance with VDE regulations have extremely low energy consumption.



Standard features

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| ● All parts in contact with water are rustproof | ● Monitoring of water circulation |
| ● overheating shutdown | ● Connection and interface for chiller and heat exchanger |
| ● Inner test bath and lid are made of high-grade V4A stainless steel (1.4571) | ● Integrated overheating protection through independent secondary regulator |
| ● Automatic water level control with refill | ● Insulated stainless steel lid with gas pressure spring |
| ● Heating control | ● CE conformity |
| ● 2 movable suspension rails and 15 installed pressure connections included | |

Options

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| ● copper ions free alternative for all parts which are in contact to water | ● Cooling unit for the test tank |
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V1678-0005

Design of TEST TANK

Water depth	mm	1,000
Width (internal)	mm	1,000
Length (internal)	mm	1,000
Width (external)	mm	1,330
Length (external)	mm	1,400
Height (external)	mm	1,360
Number of suspension rails (included)		2
Inner tank material		1.4571/AISI 316 Ti/UNS S 31635
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
Temperature control with regulating accuracy	°C	± 1.0
Water temperature adjustable in increments of	°C	± 0.1
Voltage data		230/400 V 50 Hz Heating power 9 kW plus additional up to 1.0 kVA for pump and controller. Setup according to VDE 0100 protection class, control cabinet: IP 55

Connections

Water		Hose 3/8 inch, min. 2 bar, max. 8 bar
Wastewater		Hose 1 inch inside

Accessories for TEST TANK

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