

function

SCITEQ thermo tanks are primarily used for immersing pipe samples in water at accurately controlled temperatures during hydrostatic pressure tests. The tanks can also be used for conditioning any other type of sample requiring controlled temperature immersion.

highlights

high accuracy temperature control

minimal energy loss

customer tailored solutions

high quality components

unique design

easily accessible service components

version 04/2010

features

Tanks can be supplied in almost any requested dimension with or without lid of various configurations. All SCITEQ thermo tanks are designed in such a way to allow easy maintenance; heating elements, pumps, valves and temperature sensors can all be removed without the need to drain the tank of water.



construction

SCITEQ thermo tanks are unique in design providing an efficient and ergonomically attractive solution for sample conditioning and immersion. The latest series of tanks combine the best of performance and finish which will enhance any laboratory. The tanks are constructed around a heavy section steel frame providing an extremely rigid platform, the tank body is internally lined with 2mm thick high grade stainless steel plate. The tank is insulated with 100mm thick rock wool on all sides resulting in minimal loss of energy during operation. The outer protection plates can be removed to access serviceable parts such as circulation pump, heating elements etc.



thermo tank with chiller

We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost effectively as possible with Q.C. tools throughout the factory.

associated equipment

▲ essential equipment

pressure stations

burst stations

end closures

hoses

PC SCITEQ software

end closure mounting

laboratory saw

- temperature range: 19-95°C
- control resolution: 0.1°C
- temperature deviation: better than +/- 0.5° C from set temperature
- auto water level control: standard
- serial interface: standard temperature logging output to PC SCITEQ Software
- pressure test connections: single or manifold can be built in, according to request
- tank material: 2mm Aisi 304 stainless steel
- circulation pumps: Grundfos UMT series
- electrical cabinets: constructed according to EN 60 204-1
- chiller system: optional (only required with high ambient temperatures when running 20°C)
- air supply: 6-8 bar dry filtered air
- electrical supply: 3 x 400 + N + PE 50hz (others on request)
- power consumption: kW dependant on size of tank



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