

function

Impact tests, RCP (Rapid Crack Propagation) tests and other similar tests often require test specimens to be conditioned at 0 degree C or below. The **SCITEQ conditioning chamber** is capable of cooling samples up to very large dimensions, with a temperature range from room temperature down to -25 degrees C. Lower temperatures on request.

highlights

customer tailored solutions

cooling of even large sized samples

easy to assemble

high flexibility

various cooling temperatures available

version 01/2012

features

The conditioning chamber is as standard equipped with a cooling compressor on the roof of the chamber (other placements on request). The testing equipment can be placed inside the chamber by choosing the right dimension of the conditioning chamber.

The chamber is a modular system which can be supplied in various sizes. It takes only about 2-4 hours for two men to set it up, depending on size.



construction

The **SCITEQ** conditioning chamber is built up of 15 mm extra strengthened floor (floor point loading up to 150kg/wheel). The panels are made of 0,6 mm galvanised polyester treated plates internal and external. The doors are equipped with heating in the frame and door step. There is a pressure release valve in the door element for easy opening.

The chambers are constructed from individual dividing panels and through corner panels. This gives a high degree of sizing flexibility. It also means that this solution can be installed in practically any area and can always easily be relocated or extended.

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.

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impact tester

rapid crack propagation

temperature room temperature down to -20 degrees C as standard
other temperature range on request

minimum size internal dimensions
1200 x 1200 x 1800mm (LxWxH)
each module is 300 x 300 x 300 mm

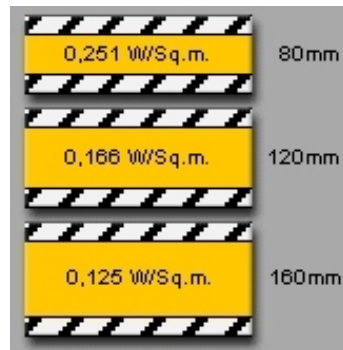
maximum size no limitations
(size must be dividable by 30)

insulation three options
80mm, 120mm or 160mm

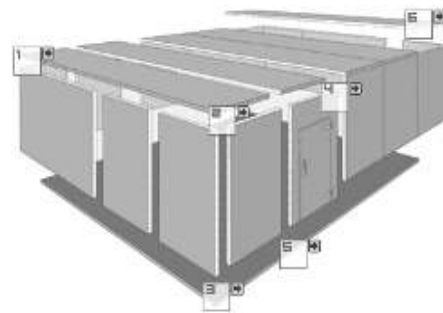
door size dependent on chamber size. Standard sizes
650x1700mm, 700x1800mm and 900x2000mm.

cooling unit standard roof mounting. Other placement on request

power requirement to be calculated.
standard voltage single phase 230V/50Hz (0 degree C)
or three phase 400V/50Hz (-20 degree C).
Others on request.



three insulation thicknesses available



assembly of chambers

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impact
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