

## SCITEQ Conditioning chamber



We help you perform even better

## 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.

## 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.

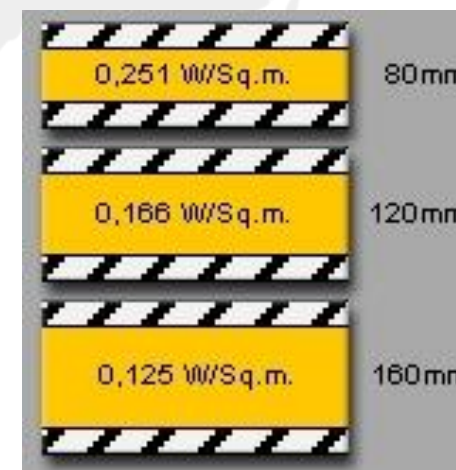
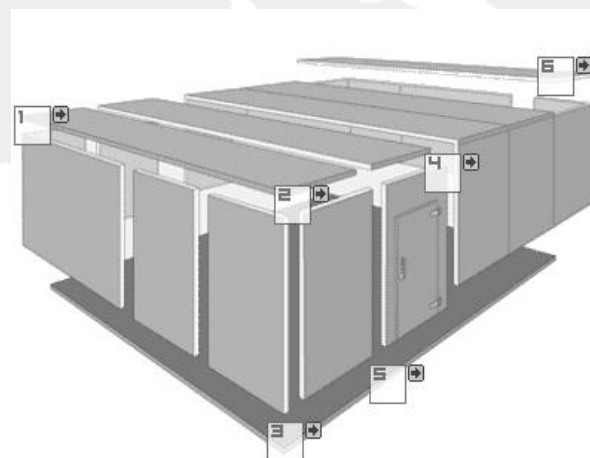
The chamber is a modular system which can be supplied in various sizes. It takes only about 2-4 hours for two men to set it up, depending on size.



## Technical purpose

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.



Three insulation thicknesses available

# About SCITEQ Conditioning chamber

# SCITEQ



|                            |   |
|----------------------------|---|
| Temperature                | room temperature down to -20 degrees C as standard other temperature range on request   |
| Minimum size               | Internal dimensions<br>1200 x 1200 x 1800mm (LxWxH)<br>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  |
| Wall thickness range [mm]* | Min: 5 / Max:100  |
| 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. |

### SCITEQ RCP & impact testing

**The SCITEQ B50 impact tester** is developed specifically for plastic pipe producers. The versatile test unit is intended for use in a production environment with particular emphasis on ease and speed of use, low maintenance and safety. The B50 impact tester complies with ISO 3127, EN 744, EN 1411 and ASTM D 2444 and equivalent.

**The SCITEQ Rapid Crack Propagation Tester** offers exceptional accuracy when testing plastic pipes. The unique drive, ensures stable, accurate and guaranteed speeds of up to 15,0 meters per second and unparalleled accuracy of +/- 0,1 meter per second. Complying with the Standard ISO 13477.





## Installation & Training

SCITEQ offers onsite installation of new SCITEQ equipment and onsite or remote training of the operating personnel that are going to use the equipment.



## Service agreements

SCITEQ offers service agreements for all SCITEQ equipment, meaning specialized service engineers will visit the customer annual for service and calibration of equipment.



## Support online & on-site

SCITEQ offers online and on-site support on all SCITEQ products, for fast and effective problem solving, training, setup, etc.