SCITEQ | methylene chloride cabinet

function

The gelation of PVC is one of the most important product quality considerations. The gelation has an influence on impact strength and resistance to internal pressure. There are various methods to determine the gelation level in PVC pipes and profiles; the most common one is to use Methylene chloride according to various standards (e.g. the DIN standard no. 53 419). Commonly used are the MC test and the MCT test.

highlights

- high accuracy temperature control
- minimal energy loss
- precision
- high quality components
- unique design
- easily accessible service components

features

With the MC test you test PVC with only one temperature, and on an untreated cut surface. With the MCT test you test PVC on a precision milled surface, commonly in two different temperatures.

The Methylene Chloride Temperature Test Cabinets from SCITEQ A/S can be used both for MC and MCT test, and can be supplied with one, two or even three different temperature tanks at the same time.

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.

construction

The **SCITEQ** designed Methylene chloride cabinets are built with solid steel section frames insulated with 75 mm rock wool and covered with aluminium plates. The oblique front is provided with inspection windows that can be opened. The opening movement is performed by means of hand, activated manually but eased by means of a contra weight system, that makes the window glide very easily up. When it is open, the operator has free access to the table top and to the Methylene chloride tank, both of which are made of stainless steel.

In order to ease access to the internal tanks, the lid of the tanks folds in the middle. In addition the cabinet is provided with exhaust fan, cooling compressor, heating element, and liquid mixer. A special re-circulation system and a tray for placing the sample inside the cabinet secures less annual use of the expensive methylene chloride.

Specifications | methylene chloride cabinet

temperature range:	max 150°C
control resolution:	0.1°C
temperature deviation:	better than +/- 0.5° C from set temperature
serial interface:	standard temperature logging output to PC SCITEQ Software
tank internal dimensions:	700mm x 710mm x 630mm
tank material:	2mm Aisi 304 stainless steel
electrical cabinets:	constructed according to EN 60 204-1
air supply:	4-8 bar dry filtered air
electrical supply:	3 x 400 + N + PE 50hz (others on request)
power consumption:	10 amps maximum load

options

- automatic sample lifting system
- twin tank model
- test end alarm with signal lamp

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