SCITEQ | heating ovens TM series

function

SCITEQ heating ovens TM series are suitable for carrying out heat reversion tests, dimension stability tests, accelerated ageing or pressure tests at high temperatures. The ovens can also be used for conditioning any other type of sample requiring a high level of temperature control.

highlights

- high temperature accuracy
- fast temperature recovery
- stainless steel inner casing
- universal oven
- optional temperature logging of test temperature
- access port

features

SCITEQ ovens are state-of-art with fast and accurate temperature control and temperature recovery. Four models with different volumes are available. As standard, the ovens have the following features:

- microprocessor temperature controller. Temperature range: ambient temp +2°C to 250°C
- stainless steel shelves
- access port for pressure testing

Optional equipment:

- water collection tray with drain in bottom of oven for pressure testing
- glass window in oven door
- additional stainless steel shelves
- temperature output for logging of test temperature on PC SCITEQ software
- PC SCITEQ software

The ovens are equipped with an automatic safety thermostat which increases safety and makes the units simpler to operate.

construction

SCITEQ ovens are made of high quality materials, can reach temperatures up to 250°C and are distinguished by extremely short heating and recovery times. with high temperature accuracy The inner casing and shelves are made in stainless steel. Externally, the cabinets are constructed of galvanized steel sheets coated with epoxy polyester paint.

The models 26, 53, and 135 are table models that are stackable. The largest oven, model 430, is freestanding with adjustable feet. All functions are easily adjusted on the front panel with LCD display. The LCD display has explanatory text and is easy to operate.

version 02/2021

associated | equipment

◢ |essential equipment

- pressure stations
- burst stations
- end closures
- pressure hoses
- pc-sciteq software
- end closure mounting
- laboratory saw
- parallel scratcher

technical specifications | heating ovens TM series

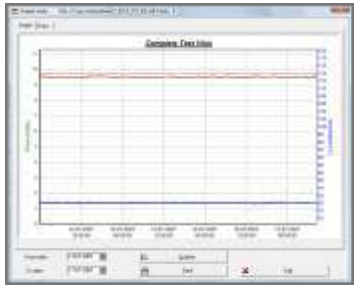
model range	model 26 - 26lt coated exterior and stainless steel interior (inner casing volume) model 53 - 53lt coated exterior and stainless steel interior (inner casing volume) model 135 - 135lt coated exterior and stainless steel interior (inner casing volume) model 430 - 430lt coated exterior and stainless steel interior (inner casing volume)
temperature range	2°C above ambient temperature up to 250°C
deviation (spatial)	+/- 1,5%
temperature stability	+/- 1°C
readability	1°C
inner casing material	stainless steel
sensor thermocouple "K"	included
electrical supply	models 26, 53, and 135: single phase 230V, 50 Hz (TN-S) model 430: 3x400V, 50 Hz (TN-S)
access port allowing pressure testing	an access port allows connection of pressure testing equipment to pipe samples placed in the oven.
temperature logging (optional)	serial interface output to log temperature on PC SCITEQ software
window in door (optional)	optional
dimensions	26lt internal: 350x255x300mm; external: 490x480x500mm (LxWxH)
dimensions	430lt internal: 610x600x1180mm; external: 753x845x1360mm (LxWxH)
	26lt 20kg
	430lt 120kg

Four different models— volume from 26 l up to 430 l

Access port—inside view

User-friendly LCD display

Access port—rear view


View of temperature graph in PC SCITEQ software

SCITEQ A/S
Gamma 3
DK-8382 Hinnerup
Denmark
Tel: +45 86 96 19 33
www.sciteq.com
sales@sciteq.com

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