

Creating environments....

hielkema TESTEQUIPMENT B.V.
Temperature (& humidity)
chambers

Stability Test Chambers

Hielkema Climate - series



STEK

General

Material:

The exterior is made of a white painted steel, containing a nickel-free stainless steel inner casing which is enriched with titanium and other metals for extra strength.

The door is equipped with a handle along its entire length for easy opening. The chamber is also equipped with 4 stainless steel levelers and several shelves.

"IAS" Air circulation:

Our Hielkema Climate Chambers also includes an Internal Air circulation System (IAS), consisting of a back pressure wall and an extraction roof. The pressure wall is provided with special made air vents, causing an uniform airflow across the shelves. Also, because of the direct air flow over each tray, the temperature accuracy will be much higher and temperature recovery time will be shorter, when opening and closing the door.

Relative Humidity

The Hielkema Climatic Chamber comes standard with an ultrasonic humidifier. The humidifier atomizes the water into small droplets through vibration in the water. The small droplet size (<0,2 Micron) is rapidly absorbed by the air. The Internal Air circulation System in combination with a high temperature accuracy, ensures accurate humidity throughout the chamber. When opening the door, the humidifier automatically turns off and switches back on when the door is closed.

Pay attention: Humidification requires demineralised water.

Installation

The stability test chambers are installed on site and connected as agreed.

For installation we require the following facilities:

- Socket 230V / 50 Hz / device 16 amp. fuse
- Demi water supply

** We also provide demi water supply systems.*

Hielkema Climate 660

Chambers are designed to meet ICH Q1A & Q1B, FDA, CPMP, WHO guidelines

CE-marking.

Specifications:

Outside dimensions:	815 x 756 x 2160 mm (WxDxH)
Inside dimensions:	655 x 540 x 1470 mm (WxDxH)
Dimensions shelves:	650 x 530 mm (WxD)
Gross weight:	135 kilos
Temperature range:	+4°C to +50°C
Temperature adjustable by:	0,1°C
Temperature accuracy:	±0,5°C
Humidification type:	Ultrasonic
RH range:	40% – 95%*
RH adjustable by:	1,0%
RH accuracy:	±5,0%
Material outside:	White coated steel
Material inside:	Stainless steel
Door:	White coated steel
Bottom:	4 x stainless steel levelers
Interior:	4 x plastic coated wire shelves Lighting, 1 piece in bottom of the front hood



Options:

- Inner door (plexiglass)
- Drying unit for 30% RH (including installation)*
- Port for PT100
- Cable port
- Built-in wall socket
- Stainless steel wire shelf
- Stainless steel shelf support set
- Plastic coated wire shelf
- Stainless steel perforated shelf
- 4 wheels, 2 with brakes

Hielkema Climate 1400

Chambers are designed to meet ICH Q1A & Q1B, FDA, CPMP, WHO guidelines

CE-marking.

Specifications:

Outside dimensions:	1390 x 876 x 2160 mm (WxDxH)
Inside dimensions:	(2x) 575 x 660 x 1470 mm (WxDxH)
Dimensions shelves:	650 x 530 mm (WxD)
Gross weight:	270 kilos
Temperature range:	+4°C to +50°C
Temperature adjustable by:	0,1°C
Temperature accuracy:	±0,5°C
Humidification type:	Ultrasonic
RH range:	40% – 95%*
RH adjustable by:	1,0%
RH accuracy:	±5,0%
Material outside:	White coated steel
Material inside:	Stainless steel
Door:	White coated steel
Bottom:	4 x stainless steel levelers
Interior:	8 x plastic coated wire shelves Lighting, 2 pieces in bottom of the front hood



Options:

- Inner door (plexiglass)
- Drying unit for 30% RH (including installation)*
- Port for PT100
- Cable port
- Built-in wall socket
- Stainless steel wire shelf
- Stainless steel shelf support set
- Plastic coated wire shelf
- Stainless steel perforated shelf
- 4 wheels, 2 with brakes