

## Incubators

# HettCube 400 | 400 R

## Efficient use of valuable space

With its large volume and wide range of accessories the HettCube 400 incubator is well suited for all pharmaceutical, research and industrial applications.

This unit is available with refrigeration and a temperature range from 0 °C to +65 °C (HettCube 400 R).



## — Highlights

- Maximal validated usable space on a small footprint
- One-hand operation without additional inner door
- 4.3 inch touch display for intuitive operation
- Automatic door closure with magnetic seals, door orientation can be easily changed
- Low noise level of  $\leq 44$  dB(A)
- TÜV certified
- Factory certificate HettCert with 9 measuring points according to DIN 12880:2007-5 standard
- HettCube without cooling requires only 1°K (1 °C) above stable ambient temperature
- No interior fan
- Model variants with IVDR approval including DIN 62304 standard
- Inclusive: 3 standard shelves and 1 HTS shelf with telescopic rail

Additionally for cooled models:

- Temperature drop with holiday function
- Temperature selection monitor class 3.2
- Easy integration of external devices via the switch-board (optional)

## — Feature

- At a glance display of: settings, future programs and target/actual values, temperature drops, events
  - real-time calendar
  - More individual settings: Flexible door alarm, asymmetric tolerance band
  - Three different power failure scenarios
  - Logbook: records of every door opening, events, alarms and operating hours
  - Language options EN, DE, FR, ES
  - Wide range of program functions: Start after time, start after temperature, standstill segment
  - Programs and temperature settings transferable to other HettCubes without additional software
  - Interior made of high-quality stainless steel
- Special accessories:
- Shelves and racks for storage of samples
  - Shelf for Petri Dishes
  - Tightly welded HTS drawers (various heights)

## Technical data

	HettCube 400 incubators	HettCube 400 R cooled incubators
Temperature range	1 K above ambient temperature up to +65 °C	0 °C up to +65 °C
Exterior dimensions (without bushing and door handle) W x D x H in mm	710 x 825 x 1425	710 x 825 x 1425
Interior dimensions W x D x H in mm	535 x 690 x 850	535 x 690 x 850
Internal volume in liters	310	310
Validated usable volume in liters	199	199
Percentage validated usable volume / internal volume	64 %	64 %
Footprint in m <sup>2</sup>	0,6	0,6
Weight in kg	117	128
Number of trays provided as standard	3 (2 standard + 1 HTS)	3 (2 standard + 1 HTS)
Temperature fluctuation at +37 °C	± 0.1 K	± 0.1 K
Temperature uniformity at +37 °C	± 0.2 K	± 0.2 K
Temperature uniformity at +25 °C	± 0.1 K	± 0.1 K
Recovery time after door has been opened for 30 s at +37 °C	≤ 4,5 min	≤ 4,5 min
Energy consumption at +37 °C	0.046 kWh/h	0.046 kWh/h
Noise level	≤ 41 dB (A)	≤ 44 dB (A)
Power supply	220 – 240 V 1 ~ / 50 – 60 Hz	220 – 240 V 1 ~ / 50 – 60 Hz
<b>Cat. No.</b>	<b>64000</b>	<b>64005</b>
Non-IvD version	64001	64006
<b>Other voltages</b>		
100-120 V 1 ~ / 50 – 60 Hz	64000-01	64005-01



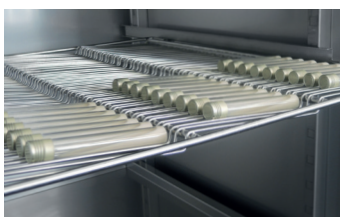
Watch our animation video  
of the HettCube on  
YouTube.



## Options and accessories



Switchboard



Rack for Loewenstein application



Rack for petri dishes

	Cat. No.
<b>Shelf (Set)</b>   Made of stainless steel, with standard rails, max. load (kg): 50	<b>60001</b>
<b>Shelf (HTS-Set)</b>   Made of stainless steel, with telescopic rails, extendable up to 70 %, max. load (kg): 40	<b>60031</b>
<b>Drawer (HTS-Set), High 30 mm</b>   Made of stainless steel, with telescopic rails, extendable up to 70 %, tightly welded, max. load (kg): 40	<b>60024</b>
<b>Drawer (HTS-Set), High 65 mm</b>   Made of stainless steel, with telescopic rails, extendable up to 70 %, tightly welded, max. load (kg): 40	<b>60025</b>
<b>Drawer (HTS-Set), High 105 mm</b>   Made of stainless steel, with telescopic rails, extendable up to 70 %, tightly welded, max. load (kg): 40	<b>60026</b>
<b>Rack (HTS-Set)</b>   For Petri dishes, stainless steel, with telescopic rails, extendable up to 70 %, Petri dishes Ø (mm): 90, max. load (pcs): 90	<b>60038</b>
<b>Rack (Set)</b>   For Petri dishes, stainless steel, with standard rails, Petri dishes Ø (mm): 90, max. load (pcs): 90	<b>60039</b>
<b>Rack</b>   For Petri dishes, stainless steel, Petri dishes Ø (mm): 90, max. load (pcs): 90	<b>60040</b>
<b>Rack (HTS-Set)</b>   For inclined storage of cultures (Loewenstein), stainless steel, with telescopic rails, extendable up to 70 %, inclination angle: 5°, tube Ø (mm): 15-20, max. load (pcs): 81 tube	<b>60036</b>
<b>Rack (Set)</b>   For inclined storage of cultures (Loewenstein), stainless steel, with standard rails, inclination angle: 5°, tube Ø (mm): 15-20, max. load (pcs): 81 tubes	<b>60037</b>
<b>Rack</b>   For inclined storage of cultures (Loewenstein), stainless steel, inclination angle: 5°, tube Ø (mm): 15-20, max. load (pcs): 81 tubes	<b>60041</b>
<b>Frame L, 16-place</b>   Made of stainless steel, for inclined storage of cultures, tube Ø (mm): 15-20, Tube length (mm): 100-125, inclination angle 5° or 20°	<b>60027</b>
<b>Frame XL, 16-place</b>   Made of stainless steel, for inclined storage of cultures, tube Ø (mm): 15-20, Tube length (mm): 126-170, inclination angle 5° or 20°	<b>60028</b>
<b>Switchboard</b>   4-fold socket strip, as a unit controllable via display, on the back of the device	<b>60521</b>
<b>Independent PT 100 sensor</b>   For independent temperature measurement, four-wire system, temperature values output with analogue output 4-20 mA on the back of the device	<b>60503</b>
<b>Passive dehumidification</b>   For individual or timed opening of a dehumidification module via the touchscreen	<b>60042</b>
<b>Service:</b> Assembly of the Stacking kit for the HettCube 200   200 R	<b>60043</b>
<b>Service:</b> Changing the door hinge	<b>60044</b>
<b>Glass door</b>   All-glass outer door, for HettCube 200   200 R	<b>60030</b>
<b>Glass door</b>   All-glass outer door, for HettCube 400   400 R	<b>60029</b>
<b>Glass door</b>   All-glass outer door, for HettCube 600   600 R	<b>60013</b>
<b>Access port</b>   Ø (mm): 22, Foam stoppers	<b>60006</b>
<b>Access port</b>   Ø (mm): 42, Foam stoppers	<b>60007</b>
<b>Access port</b>   Ø (mm): 67, Foam stoppers	<b>60008</b>
<b>Stacking kit</b>   For safe stacking of two HettCubes 200   200 R	<b>60009</b>
<b>Rolling cabinet</b>   Lockable, with one drawer, incl. lockable castors, WxDxH (mm): 770x800x550, for HettCube 200   200 R	<b>60010</b>
<b>USB Port Lock (Set)</b>   For securing the USB-A interface. Set consisting of 10 securing clips and 1 USB key tool.	<b>60525</b>
<b>Parameter for continuous cooling operation</b>   For storing samples below 15 °C for more than 2 weeks	<b>60526</b>

## — Extensive standard equipment

4.3 inch touchscreen:

- Target / actual display
- Setting accuracy 0.1 ° C
- Real-time calendar
- Timer
- Language options (English, German, French and Spanish)
- Temperature diagram in 3 zoom levels (up to 4 weeks)
- Power failure scenarios
- Door alarm individually adjustable
- Log (door openings, alarms and operating hours)
- PIN lock
- Up to 99 program functions (Start/Stop, Period, Timer at start, Timer at temperature, ...)
- Temperature selection monitor class 3.1 for all models

Additionally with refrigerated devices

- Temperature reduction with holiday function
- Temperature selection monitor class 3.2 for all refrigerated models
- Programming external devices via switchboard (optional)

Control panel and door lockable simultaneously

USB service interface

Bushing on rear panel Ø 42 mm

Potential-free alarm output

Interior of high-quality stainless steel (W-St 1.4301 (ASTM 304))

In addition you get for free ...

2 standard shelves of stainless steel

1 HTS shelf of stainless steel with telescopic rails

Factory certificate (HettCert) – 9 points measurement analog to DIN 12880: 2007-05

Compensation for unneeded standard shelves\*

## — Certifications / Registrations

Product certification:



Product registration:



Company certifications:



## ■ Dimensions

