Hettich

INCUBATORS

▬ HETTCUBE 400 | 400 R

EFFICIENT USE OF VALUABLE SPACE

Incubators and Cooled Incubators

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

- One-hand operation without additonal inner door
- 4.3 inch touch displayfor intuitve operation
- automatic door closure with magnetic seals, door orientation can be easily changed
- low noise level of ≤ 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 IVD approval incluiding DIN 62304 standard
- Inclusive: 2 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 switchboard (optional)

▬ FEATURES

- At a glance display of: settings, future programs and target/actual values, temperaure drops, events
- real-time calender
- 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:
- Shelfs 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 m²	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	0.046 kWh
Noise level	≤ 41 dB (A)	≤ 44 dB (A)
Power supply	220 – 240 V 1 ~ / 50 – 60 Hz	220 – 240 V 1 ~ / 50 – 60 Hz
Cat. No.	**64000**	**64005**
Non-IvD version	64001	64006
120 V 1 ~ / 50 – 60 Hz	64000-01	64005-01
Weight in kg*	122	133
Energy consumption at +37 °C*	0.05 kWh	0.05 kWh
Noise level*	≤ 42 dB (A)	≤ 44 dB (A)

OPTIONS AND ACCESSORIES
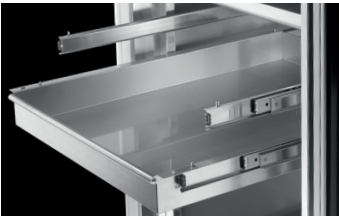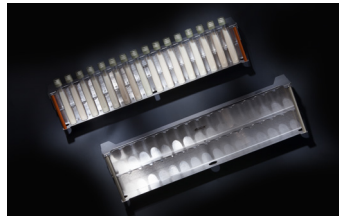

— NEW

Switchboard

— NEW

Rack for Loewenstein application

— NEW

Rack for petri dishes

Shelf (HTS-Set) with telescopic rails

Frame L + XL, 16-place

Access port

	Cat. No.
Shelf (Set) ⏐ Made of stainless steel, with standard rails, max. load (kg): 50	60001
Shelf (HTS-Set) ⏐ Made of stainless steel, with telescopic rails, pull out up to 70 %, max. load (kg): 40	60031
Drawer (HTS-Set), High 30 mm ⏐ Made of stainless steel, with telescopic rails, pull out up to 70 %, tightly welded, max. load (kg): 40	60024
Drawer (HTS-Set), High 65 mm ⏐ Made of stainless steel, with telescopic rails, pull out up to 70 %, tightly welded, max. load (kg): 40	60025
Drawer (HTS-Set), High 105 mm ⏐ Made of stainless steel, with telescopic rails, pull out up to 70 %, tightly welded, max. load (kg): 40	60026
Rack (HTS-Set) ⏐ For Petri dishes, stainless steel, with telescopic rails, pull out up to 70 %, Petri dishes Ø (mm): 90, max. load (pcs): 90	60038
Rack (Set) ⏐ For Petri dishes, stainless steel, with standard rails, Petri dishes Ø (mm): 90, max. load (pcs): 90	60039
Rack ⏐ For Petri dishes, stainless steel, Petri dishes Ø (mm): 90, max. load (pcs): 90	60040
Rack (HTS-Set) ⏐ For inclined storage of cultures (Loewenstein), stainless steel, with telescopic rails, pull out up to 70 %, inclination angle: 5°, tube Ø (mm): 15-20, max. load (pcs): 81tube	60036
Rack (Set) ⏐ For inclined storage of cultures (Loewenstein), stainless steel, with standard rails, inclination angle: 5°, tube Ø (mm): 15-20, max. load (pcs): 81 tubes	60037
Rack ⏐ For inclined storage of cultures (Loewenstein), stainless steel, inclination angle: 5°, tube Ø (mm): 15-20, max. load (pcs): 81 tubes	60041
Frame L, 16-place ⏐ Made of stainless steel, for inclined storage of cultures, tube Ø (mm): 15-20, Tube length (mm): 100-125, inclination angle 5° or 20 °	60027
Frame XL, 16-place ⏐ Made of stainless steel, for inclined storage of cultures, tube Ø (mm): 15-20, Tube length (mm): 126-170, inclination angle 5° or 20 °	60028
Switchboard ⏐ 4-fold socket strip, as a unit controllable via display, on the back of the device	60521
Independent PT 100 sensor ⏐ For independent temperature measurement, four-wire system, temperature values output with 4 pole connection on the back of the device	60504
Independent PT 100 sensor ⏐ For independent temperature measurement, four-wire system, temperature values output with analogue output 4-20 mA on the back of the device	60503
Passive dehumidification ⏐ For individual or timed opening of a dehumidification module via the touchscreen	60042
Glass door ⏐ All-glass outer door, for HettCube 400 ⏐ 400 R	60029
Access port ⏐ Ø (mm): 22, Foam stoppers	60006
Access port ⏐ Ø (mm): 42, Foam stoppers	60007
Access port ⏐ Ø (mm): 67, Foam stoppers	60008
Fixing Kit ⏐ To use a shaker on a HTS drawer or drawer	60919

▬ 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*

* Choose other shelves / drawers as standard, we credit you the price of unused standard inserts.
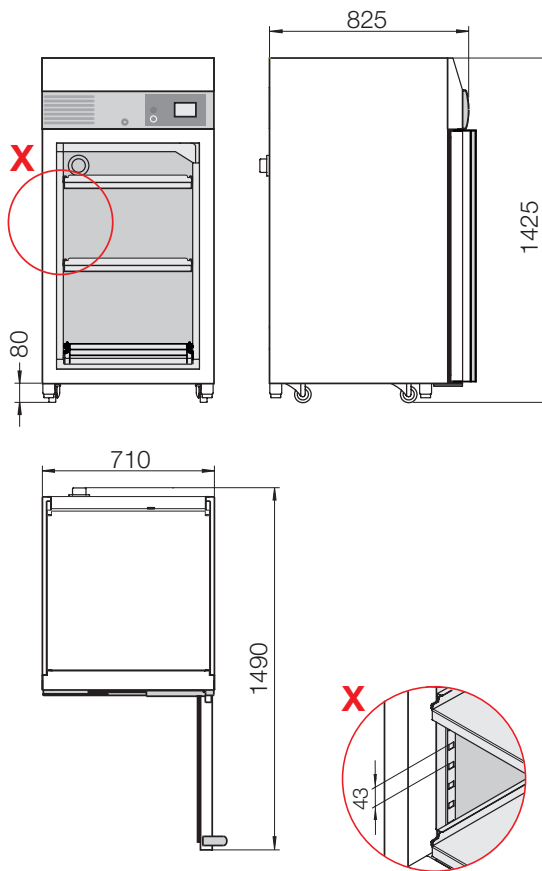
▬ CERTIFICATE / REGISTRATIONS

IvD CONFORM
according to directive 98/79/EC

MED/CERT

DIN EN ISO 9001
HettCert
DIN EN ISO 13485

TÜV SUD
C NRTL US

ENVIRONMENTAL SYSTEM CERTIFICATION
DNV·GL
ISO 14001

MADE
IN
GERMANY

DIMENSIONS

825

1425

80

710

1490

X

43

X

DOWNLOADS

↓ Operating Manual – HettCube 400 | 400 R

↓ Brochure – HettCube

↓ General Catalog

www.hettichlab.com

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