

**Z446** Z446-K

# **Universal, High Capacity Centrifuges**



- Advanced programming with auto rotor recognition
- Available with refrigeration
- Ideal for tissue culture laboratories

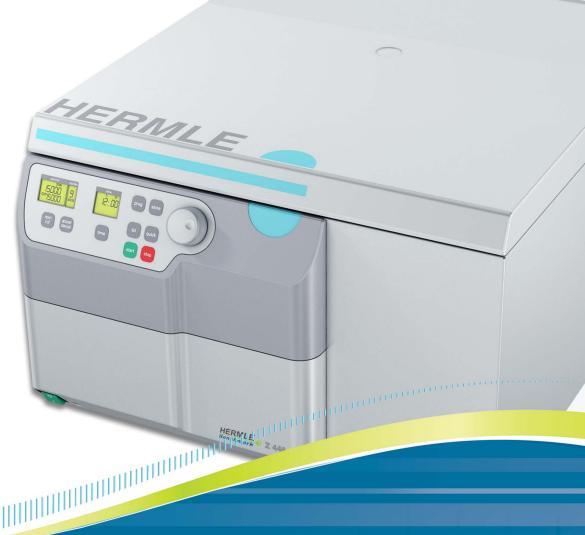




**Z446** Universal Centrifuge



**Z446-K** Universal Centrifuge





### **Z446 Series Summary**

Speed up to 16,000 rpm G-Force up to 26,328 x g Swing Out Capacity:

> 4 x 750ml 28 x 50ml 68 x 15ml

20 x microplates

**Angle Rotor Capacity** 

44 x 1.5/2.0ml 10 x 50ml

30 x 15ml

#### Z446 Features

#### **Microprocessor Control**

Over-speed protection
Automatic rotor identification
Program Storage (99)
Pre-Cool function (Z446-K only)
Momentary spin button
Imbalance detection
Adjustable Accel/Decel
Audible end of run alarm

Maintenance free induction drive Motor driven safety lid-lock Quiet operation, less than 65 DB Splash proof display Powerful Refrigeration (Z466-K only)

## **Z446 Specifications**

Speed Range: 200 to 16,000 rpm

Max. RCF: 24,325 x g Max Capacity: 4 x 750 ml

Timer: up to 99 hr, 59 min. Dimensions:  $21.3 \times 26.4 \times 15.4$  in.  $(W \times D \times H)$   $54 \times 67 \times 39$  cm.

Z446-K 28.7 x 26.4 x 15.4 in.

73 x 67 x 39 cm. 174 lbs (79 kg)

Weight: 174 lbs (79 kg)
Z446-K 244 lbs (111 kg)
Electrical: 120 or 230V, 50/60Hz
Power Draw: 640W (Z446-K: 1630W)

Temp Range: -20° - 40° C

(Z446-K only)



The Z446 universal centrifuge series offers the highest capacity of any benchtop Hermle-Benchmark model. With air-craft grade, premium alloy construction, the  $4 \times 750$ ml swing out rotor can withstand centrifugal forces upwards of 4,000 x g with full loads of up to  $28 \times 50$ ml or  $68 \times 15$ ml tubes.

Advanced microprocessor controls allow for instant rotor identification, which automatically converts the rotational speed to the relevant g-force (rcf), preventing the user from setting a speed above the capabilities of the installed rotor. In addition to retrieving saved programs, the easy to use front panel can adjust accel/decel rates, and change the end of run alarm tone.

Rotor exchange is simple and requires less than one minute. An included rotor wrench can be used to loosen and install all rotors. As soon as the rotor is placed on the motor shaft, the identification process activates and the installed rotor code is displayed on the backlit LCD display.

Ordering Information:

Z446\* Z446 Centrifuge (without rotor), 120V

Z446-K\* Z446-K Refrigerated Centrifuge (without rotor), 120V

\*115V with US Plug. For 230V (EU Plug), please order -E.