

Model E 28 | Drying and heating chambers with mechanical adjustment

With a BINDER E series heating oven, you obtain a reliable and powerful unit in a solid configuration at a very attractive price. This heating oven is preferred for tasks in basic research, as well as in human and veterinary medicine.

BENEFITS

- Uniform drying conditions thanks to APT.line™ technology
- Identical test conditions throughout the chamber interior independent of sample size and quantity
- Outstanding thermal insulation saves operation costs



Model 28



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MAIN FEATURES

- Temperature range: 60 °C to 230 °C
- Adjustable exhaust air flap
- Hydro-mechanical thermostat
- Class 1 temperature limitation device (Model Eo28-230V-T)
- Timer 0 – 120 min
- 2 chrome-plated racks

ORDERING INFORMATION

| Interior volume [cu.ft.] | Voltage | Option model | Version | Art.-No. |
|--------------------------|-------------------|-----------------|-------------|-----------|
| 1 | 230 V 1~ 50/60 Hz | Standard | Eo28-230V | 9010-0001 |
| | | with TB class 1 | Eo28-230V-T | 9010-0003 |
| | 120 V 1~ 60 Hz | Standard | Eo28-120V | 9010-0106 |

TECHNICAL DATA

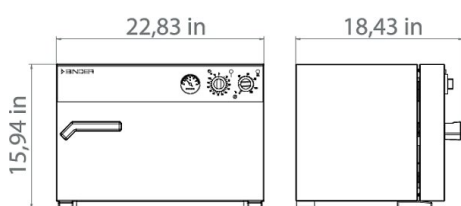
| Description | Eo28-230V ¹ | Eo28-230V-T ¹ | Eo28-120V ¹ |
|----------------------------------------------------------|------------------------|--------------------------|------------------------|
| Article Number | 9010-0001 | 9010-0003 | 9010-0106 |
| Performance Data Temperature | | | |
| Temperature range | 60...230 | 60...230 | 60...230 |
| Heating-up time to 150 °C [min] | 36 | 36 | 36 |
| Recovery time after 30 seconds door open at 150 °C [min] | 19 | 19 | 19 |

¹ All technical data is specified for unloaded units with standard equipment at an ambient temperature of +22 °C ±3 °C and a power supply voltage fluctuation of ±10%. The temperature data is determined in accordance to BINDER factory standard following DIN 12880, observing the recommended wall clearances of 10 % of the height, width, and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to change technical specifications at any time.

| Description | Eo28-230V ¹ | Eo28-230V-T ¹ | Eo28-120V ¹ |
|--------------------------------------------------------------|------------------------|--------------------------|------------------------|
| Article Number | 9010-0001 | 9010-0003 | 9010-0106 |
| Electrical data | | | |
| Rated Voltage [V] | 230 | 230 | 120 |
| Power frequency [Hz] | 50/60 | 50/60 | 60 |
| Nominal power [kW] | 0.8 | 0.8 | 0.8 |
| Phase (Nominal voltage) | 1~ | 1~ | 1~ |
| Measures | | | |
| Interior volume [cu.ft.] | 1 | 1 | 1 |
| Net weight of the unit (empty) [lbs] | 49 | 49 | 49 |
| Permitted load [lbs] | 55 | 55 | 55 |
| Load per rack [lbs] | 22 | 22 | 22 |
| Wall clearance back [in] | 6.3 | 6.3 | 6.3 |
| Wall clearance sidewise [in] | 3.94 | 3.94 | 3.94 |
| Internal Dimensions | | | |
| Width [in] | 15.76 | 15.76 | 15.76 |
| Height [in] | 11.03 | 11.03 | 11.03 |
| Depth [in] | 9.85 | 9.85 | 9.85 |
| Doors | | | |
| Unit doors | 1 | 1 | 1 |
| Housing dimensions not incl. fittings and connections | | | |
| Width net [in] | 22.85 | 22.85 | 22.85 |
| Height net [in] | 15.96 | 15.96 | 15.96 |
| Depth net [in] | 16.74 | 16.74 | 16.74 |
| Fixtures | | | |
| Number of shelves (std./max.) | 2/4 | 2/4 | 2/4 |

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DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]



OPTIONS

| Designation | Description | * | Art.-No. |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|---|-----------|
| Calibration certificate, expanded | for temperature; for extending the measurement in center of chamber to include another test temperature | - | 8012-1114 |
| Calibration certificate, temperature | for temperature, measurement in center of chamber at specified temperature | - | 8012-1133 |

* Notes › See last page

ACCESSORIES

| Designation | Description | * | Art.-No. |
|-----------------------------|----------------------------------------------------------------|---|-----------|
| pH-neutral detergent | concentrated, for gentle remove of residual contaminants; 1 kg | - | 1002-0016 |
| Rack | chrome plated | - | 6004-0001 |
| Rubber pads | set anti-slip feet | - | 8012-0702 |
| Shelf, perforated | Stainless steel | - | 6004-0028 |

* Notes › See last page

SERVICES

| Designation | Description | * | Art.-No. |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|
| Installation services | | | |
| Unit installation | Connect the unit to the customer-side connections (electricity, water, wastewater, gas), basic functions check, brief operating instructions. (excl.: unpacking, setup, controller instructions, programming, installation work) | 05 | DL10-0100 |
| Unit instructions | Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming | 05 | DL10-0500 |
| Maintenance services | | | |
| Maintenance | Maintenance service in accordance with maintenance schedule. Visual inspection of mechanical and electrical components, testing of all key functions. Calibration of a test temperature specified by the user in center of chamber without certificate | 05 | DL20-0200 |
| Calibration services | | | |
| Temperature calibration | Calibration of one (1) test temperature specified by the user in center of chamber including certificate | 03, 04, 05 | DL30-0101 |
| | Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate | 03, 04, 05 | DL30-0102 |
| Warranty service | | | |
| Warranty extension from 2 to 3 years | The warranty is extended from 2 to 3 years from the delivery date, wear parts are excluded | - | DL00-1041 |
| Warranty extension from 2 to 5 years | The warranty is extended from 2 to 5 years from the delivery date, wear parts are excluded | - | DL00-1042 |

* Notes › See last page

NOTES

- 01 Condensation may occur in the area around the access port. Access ports may be placed in custom locations for an additional charge.
- 02 UL mark is not granted when this option is used.
- 03 Sensor calibration is performed in an accredited calibration laboratory.
- 04 Calibration is performed according to the BINDER factory standard.
- 05 Quoted prices do not include travel costs. Please refer to the chapter on BINDER Service for travel costs for your region. Quoted prices for services performed in Switzerland do not include a country-specific added fee (available on request).

BINDER GmbH

Tuttlingen, Germany
TEL +49 7462 2005 0
FAX +49 7462 2005 100
info@binder-world.com
www.binder-world.com

BINDER Asia Pacific (Hong Kong) Ltd.

Kowloon, Hong Kong, P.R. China
TEL +852 39070500
FAX +852 39070507
asia@binder-world.com
www.binder-world.com

Representative Office for CIS

Moscow, Russia
TEL +7 495 988 15 16
FAX +7 495 988 15 17
russia@binder-world.com
www.binder-world.com

**BINDER Environmental Testing
Equipment (Shanghai) Co., Ltd.**

Shanghai, P.R. China
TEL +86 21 685 808 25
FAX +86 21 685 808 29
china@binder-world.com
www.binder-world.com

BINDER Inc.

Bohemia, NY, USA
TEL +1 631 224 4340
FAX +1 631 224 4354
usa@binder-world.com
www.binder-world.us