

## 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



Model 28

### IMPORTANT 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 [L]	Power supply - unit fuse	Plug*	Version	Model version	Art.-No.
<b>Model E 28</b>					
28	230 V 1~ 50/60 Hz -	CEE 7/7	Standard	Eo28-230V	9010-0001

## TECHNICAL DATA

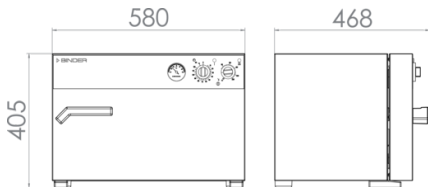
Data			
Designation	Eo28-230V	Eo28-230V-T	Eo28-120V
Article Number	9010-0001	9010-0003	9010-0106
Option model	Standard	with TB class 1	Standard
Performance Data Temperature			
Temperature range	60...230 °C	60...230 °C	60...230 °C
Heating up time to 150°C	36 min	36 min	36 min
Recovery time after door was opened for 30 s at 150°C	19 min	19 min	19 min
Electrical data			
Rated Voltage	230 V		120 V
Power frequency	50/60 Hz	50/60 Hz	60 Hz
Nominal power	0,8 kW	0,8 kW	0,8 kW
Phase (Nominal voltage)	1~	1~	1~
Measures			
Interior volume	28 L	28 L	28 L
Net weight of the unit (empty)	22 kg	22 kg	22 kg
Load per rack	10 kg	10 kg	10 kg
Permitted load	25 kg	25 kg	25 kg
Wall clearance back	160 mm	160 mm	160 mm
Wall clearance sidewise	100 mm	100 mm	100 mm
Housing dimensions not incl. fittings and connections			
Width net	580 mm	580 mm	580 mm
Height net	405 mm	405 mm	405 mm
Depth net	425 mm	425 mm	425 mm
Internal Dimensions			
Interior width	400 mm	400 mm	400 mm
Interior height	280 mm	280 mm	280 mm
Interior depth	250 mm	250 mm	250 mm
Unit doors	1	1	1

## Fixtures

Number of shelves (std./max.)	2/4	2/4	2/4
-------------------------------	-----	-----	-----

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.

## DIMENSIONS Incl. fittings and connections [mm]



## OPTIONS

Designation	Description	E 28	*	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

## ACCESSORIES

Designation	Description	E 28	*	Art-No.
Rack	chrome plated	•	-	8012-2032
Rubber pads	set anti-slip feet	•	-	8012-0702
Shelf, perforated	Stainless steel	•	-	8012-2160
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	•	-	8012-2250

## SERVICES

Designation	Description	*	Art-No.
<b>Calibration services</b>			
Calibration certificate, temperature	Calibration of one (1) test temperature specified by the user in center of chamber, including certificate	-	DL30-0101
	Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate	-	DL30-0102
<b>Installation services</b>			
Unit commissioning	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)	-	DL10-0100
Unit instructions	Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming	-	DL10-0500

Designation	Description	*	Art.-No.
<b>Maintenance contracts</b>			
BRONZE 3-year maintenance contract	Maintenance service as contractually agreed, visual inspection of mechanical and electrical components, check of control response, 20% discount on spare parts	–	DL20-0710
GOLD 3-year maintenance contract	Maintenance service as contractually agreed, visual inspection of mechanical and electrical components, check of control response, 20% discount on spare parts, testing of all key functions, replacement of wear parts, calibration of one test temperature specified by the user in the center of the usable space, including certificate	–	DL20-0910
SILVER 3-year maintenance contract	Maintenance service as contractually agreed, visual inspection of mechanical and electrical components, check of control response, 20% discount on spare parts, testing of all key functions, calibration of one test temperature specified by the user in the center of the usable space, without certificate	–	DL20-0810
<b>Maintenance services</b>			
Maintenance	One-off 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 usable space without certificate	–	DL20-0200
<b>Warranty service</b>			
1-year warranty extension	The warranty is extended by 1 year from the delivery date, wear parts are excluded	–	DL50-0010

**BINDER GmbH**  
 Tuttlingen, Germany  
 TEL +49 7462 2005 0  
 FAX +49 7462 2005 100  
 info@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

**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 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