

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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IMPORTANT FEATURES

- Temperature range: +60 °C to +230 °C
- Adjustable exhaust air flap
- · Hydro-mechanical thermostat

- Class 1 temperature limitation device
- Timer o 120 min
- · 2 chrome-plated racks

ORDERING INFORMATION

Interior volume [L]	Power supply - unit fuse	Plug*	Version	Model version	ArtNo.
Model E 28					
28	230 V 1~ 50/60 Hz -	CEE 7/7	Standard	E028-230V	9010-0001



TECHNICAL DATA

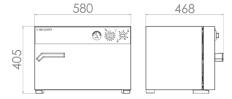
Designation Coolst-layor Addicts Nameder person constrained Coolst-layor Medical Standard Feedbrance Data Temperature person in colston Coolst Support to ago or at system. 250 V 250 V 250 Mineral Acceptance of Mineral Verlagory 250 Mineral Verlagory	TECHNICAL DATA	
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Performance Data Temperature 60.230 °C Temperature range 60.230 °C Heading up time to storC 36 min Recovery time after door was opened for yo a at sport. 39 min Electrical Temperature 230 °C Recovery time after door was opened for yo a at sport. 230 °C Recovery time after door was opened for yo a at sport. 30 °C Recovery time after door was opened for yo a at sport. 230 °C Recovery time after door was opened for yo a at sport. 30 °C Recovery time after door was opened for yo a at sport. 30 °C Recovery time after door was opened for yo a at sport. 30 °C Recovery time after door was opened for yo a at sport. 30 °C Recovery time after door was opened for yo a at sport. 30 °C Promotions and weights 30 °C Recovery time after door was opened for yo at sport. 30 °C Recovery time after door was opened for you at sport. 30 °C Recovery time after door was opened for you at sport. 30 °C Recovery time after door was opened for you at sport. 30 °C Recovery time after door was opened for you at sport. 30 °C Recover	Article Number	9010-0001
Fee personative range 60.230 °C Heading up lime to 19°Y: 50 min Recovery time after door was opened for 30 stat 50°C 50 min Recovery frequency 291 °C Power frequency 50/60 Ftz Noninal power 08 kW Place (Noninal voltage) 1- Dimensions and weights 28 L Net washin of the unit (wearly) 22 kg Load per rack 10 kg Permitted load 25 kg Wall clearance back 100 mm Wall clearance sidewise 100 mm Metalling and connections 800 mm Height and 400 mm Interior width 400 mm Interior height 250 mm Interior height 250 mm	Option model	Standard
Receivery sine after door was opened for yo a at sport 200 min	Performance Data Temperature	
Recovery time after door was opened for 30 s at 150°C 150° min Descrical data 200°V Received Voltage 200°V Power frequency 0.8 kWV Nontinal power 100°C Phase (Nominal voltage) 100°C Dimensions and weights 22 kg Load per rack 25 kg Vest weight of the unit (empty) 25 kg Used clearance back 360° mm Well clearance sidewise 360° mm Hought net 405° mm Height net 405° mm Interior width 400° mm Interior width 400° mm Interior width 400° mm Interior width 400° mm Interior depth 250° mm	Temperature range	60230 ℃
Electrical data 230 V Power frequency 50/60 Hz Nominal power 0,8 kW Phase (Nominal voltage) 1- Dimensions and weights 1 St. L. Interior volume 28 L Net weight of the unit (empty) 22 kg Load per rack 10 kg Woll clearance back 160 mm Woll clearance back 160 mm Woll clearance sidewise 100 mm Height net 850 mm Depth net 425 mm Interior width 400 mm Interior width 400 mm Interior width 400 mm Interior height 250 mm	Heating up time to 150°C	36 min
Rated Voltage 230 V Power frequency 50/60 Hz Nominal power 0.8 kW Phase (Nominal voltage) 2- Dimensions and weights 28 L Net weight of the unit (empty) 22 kg Load per rack 25 kg Wall clearance back 56 mm Wall clearance sidewise 300 mm Nousing dimensions not incl. fittings and connections 405 mm Width net 495 mm begin net 405 mm interior width 400 mm interior width 400 mm interior height 250 mm tint doors 250 mm	Recovery time after door was opened for 30 s at 150°C	19 min
Power frequency 50/60 Hz Nominal power 0,8 kW Phase (Nominal voltage) 1- Dimensions and weights 28 L Net weight of the unit (empty) 22 kg Load per rack 10 k8 Permitted load 25 kg Wall clearance back 160 mm Wall clearance sidewise 100 mm Housing dimensions not incl. fittings and connections 580 mm Permitted load 405 mm Depth net 425 mm Interior width 400 mm Interior width 400 mm Interior height 280 mm Unit doors 1	Electrical data	
Nominal power 0,8 kW Phase (Nominal voltage) 1- Dimensions and weights 22 kg Interior voltume 22 kg Load per rack 10 kg Permitted load 25 kg Wall clearance back 160 mm Wall clearance sidewise 100 mm Housing dimensions not incl. fittings and connections 405 mm Width net 405 mm Depth net 405 mm Interior width 400 mm Interior width 400 mm Interior height 280 mm United ofepth 250 mm	Rated Voltage	230 V
Phase (Nominal voltage) Dimensions and weights	Power frequency	50/60 Hz
Dimensions and weights Interior volume 28 L Net weight of the unit (empty) 22 kg Load per rack 10 kg Permitted load 25 kg Wall clearance back 160 mm Wall clearance back 100 mm Housing dimensions not incl. fittings and connections Writh net 405 mm Depth net 405 mm Depth net 405 mm Interior width 400 mm Interior width 400 mm Interior width 181 kg mm Interior depth 182 mm Unit doors 1 cm mm Interior depth 183 mm Interi	Nominal power	o,8 kW
Interior volume 28 L Net weight of the unit (empty) 22 kg Load per rack 10 kg Permitted load 25 kg Wall clearance back 160 mm Wall clearance sidewise 100 mm Housing dimensions not incl. fittings and connections Width net 405 mm Depth net 405 mm Depth net 405 mm Interior width 400 mm Interior width 400 mm Interior width 280 mm Interior width 280 mm Interior height 280 mm Unit doors 1 mm Unit doors 1 mm	Phase (Nominal voltage)	1~
Net weight of the unit (empty) Load per rack Load per rack Load per rack Wall clearance back Wall clearance back Wall clearance sidewise Loo mm Housing dimensions not incl. fittings and connections Width net S80 mm Leight net 405 mm Interior width Aoo mm Interior width Interior width Interior depth Littings and connections Littings and connections 1 Littings and connections Littings and connections 1 Littings and connections Littin	Dimensions and weights	
Load per rack Permitted load 25 kg Wall clearance back Wall clearance sidewise Wolth clearance sidewise Width net Seo mm Height net Load per rack Interior width Interior height Interior depth Unit doors 10 kg 25 kg 100 mm 100	Interior volume	28 L
Permitted load 25 kg Wall clearance back 160 mm Wall clearance sidewise 100 mm Housing dimensions not incl. fittings and connections Width net 580 mm Depth net 405 mm Interior width 400 mm Interior width 161 things and connections 280 mm Interior height 280 mm Unit doors 10 mm Littings and connections 250 mm	Net weight of the unit (empty)	22 kg
Wall clearance back Wall clearance sidewise Housing dimensions not incl. fittings and connections Width net \$80 mm Height net 405 mm Linterior width 400 mm Linterior height Linterior depth Linterior	Load per rack	10 kg
Wall clearance sidewise 100 mm Housing dimensions not incl. fittings and connections Width net 580 mm Depth net 425 mm Interior width 400 mm Interior height 280 mm Unit doors 1	Permitted load	25 kg
Housing dimensions not incl. fittings and connections Width net 580 mm Height net 405 mm Depth net 425 mm Internal Dimensions Interior width 400 mm Interior height 1250 mm Unit doors 1	Wall clearance back	160 mm
Width net 580 mm Height net 405 mm Depth net 425 mm Internal Dimensions Interior width 400 mm Interior height 280 mm Unit doors 1	Wall clearance sidewise	100 mm
Height net 405 mm Depth net 425 mm Internal Dimensions Interior width 400 mm Interior height 280 mm Unit doors 1	Housing dimensions not incl. fittings and connections	
Depth net 425 mm Internal Dimensions Interior width 400 mm Interior height 280 mm Unit doors 1	Width net	580 mm
Interior width 400 mm Interior height 280 mm Interior depth 250 mm Unit doors 1	Height net	405 mm
Interior width 400 mm Interior height 280 mm Interior depth 250 mm Unit doors 1	Depth net	425 mm
Interior height 280 mm Interior depth 250 mm Unit doors 1	Internal Dimensions	
Interior depth 250 mm Unit doors 1	Interior width	400 mm
Unit doors 1	Interior height	280 mm
	Interior depth	250 mm
Fixtures	Unit doors	1
	Fixtures	



Number of shelves (std./max.) 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	*	ArtNo.
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	*	ArtNo.
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	•	-	8012-2250
Rack	chrome plated	•	-	8012-2032
Rubber pads	set anti-slip feet	•	-	8012-0702
Shelf, perforated	Stainless steel	•	-	8012-2160

SERVICES

Designation	Description	*	ArtNo.
Calibration services			
	Calibration of one (1) test temperature specified by the user in center of chamber, including certificate	-	DL30-0110
Calibration certificate, temperature	Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate	-	DL30-0102
Installation services			
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	05	DL10-0500
Maintenance contracts			



Designation	Description	*	ArtNo.
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	-	DL20-0720
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	-	DL20-0915
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	-	DL20-0815
Maintenance services			
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	-	DL20-0601
Warranty service			
1-year warranty extension	The warranty is extended by 1 year from the delivery date, wear parts are excluded	-	DL50-0010



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.