

Model ED 260 | Drying and heating chambers with gravity convection

The strengths of a BINDER ED series drying chamber include routine drying and sterilization tasks up to 300 °C. Thanks to the natural convection, all thermal processes which use this drying chamber are highly efficient. The ED series ensures fast, uniform drying.

BENEFITS

- Best energy efficiency on the market
- Excellent temporal and spatial temperature accuracy
- USB connection for recording data
- Temperature range up to 300 °C



Model 260



Model 260

MAIN FEATURES

- Temperature range: ambient temperature plus 5 °C to 300 °C
- High temperature accuracy thanks to APT.line™ technology
- Gravity convection
- Controller with LCD display
- Electromechanical control of the exhaust air flap
- 2 chrome-plated racks
- Class 2 independent temperature safety device (DIN 12880) with visual temperature alarm
- Ergonomic handle design
- USB port for recording data

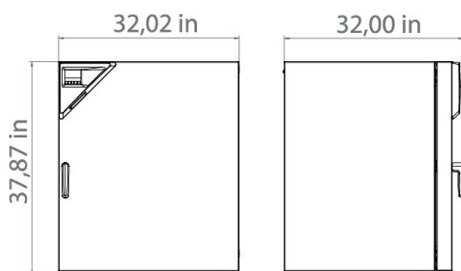
ORDERING INFORMATION

Interior volume [cu.ft.]	Voltage	Option model	Version	Art.-No.
9	230 V 1~ 50/60 Hz	Standard	ED260-230V	9010-0339
	240 V 1~ 60 Hz	Standard	ED260UL-240V	9010-0340

TECHNICAL DATA

Description	ED260-230V ¹	ED260UL-240V ¹
Article Number	9010-0339	9010-0340
Performance Data Temperature		
Temperature range +5 °C above ambient temperature to	300 °C	300 °C
Temperature variation at 150 °C [± K]	1.8	1.8
Temperature fluctuation at 150 °C [± K]	0.8	0.8
Heating-up time to 150 °C [min]	50	50
Recovery time after 30 seconds door open at 150 °C [min]	20	20
Electrical data		
Rated Voltage [V]	230	240
Power frequency [Hz]	50/60	60
Nominal power [kW]	2.25	2.45
Unit fuse [A]	12.5	16
Phase (Nominal voltage)	1~	1~
Measures		
Interior volume [cu.ft.]	9	9
Net weight of the unit (empty) [lbs]	185	185
Permitted load [lbs]	595	595
Load per rack [lbs]	88	88
Wall clearance back [in]	6.3	6.3
Wall clearance sidewise [in]	3.94	3.94
Internal Dimensions		
Width [in]	24.03	24.03
Height [in]	29.94	29.94
Depth [in]	21.67	21.67
Doors		
Unit doors	1	1
Housing dimensions not incl. fittings and connections		
Width net [in]	31.91	31.91
Height net [in]	37.04	37.04
Depth net [in]	29.94	29.94
Environment-specific data		
Energy consumption at 150 °C [Wh/h]	355	355
Fixtures		
Number of shelves (std./max.)	2/8	2/8

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 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	*	Art.-No.
Options/Accessories	Calibration certificate, temperature		
	temperature measurement incl. certificate and 27 measuring points at specified temperature	-	8012-1593
	additional flexible Pt 100, interior, for displaying the temperature on the unit display	-	8012-1619
	back		
	10 mm	01	8012-1282
	30 mm	01	8012-0540
	50 mm	01	8012-0546
	battery-backed	-	8012-1640
	for Multi Management Software APT-COM™	-	8012-1645
	for temperature values (output not adjustable)	02	8012-1623
	for temperature; for extending the measurement in center of chamber to include another test temperature	-	8012-1115
	in accordance with ASTM D5374, definition and protocol according to ambient temperature	-	8012-0195
	left		
	10 mm	01	8012-1275
	30 mm	01	8012-1018
	50 mm	01	8012-1022
	100 mm	01	8012-1030
	lockable door handle	-	8012-1664
	made of FKM, silicone-free	03	8012-1011
	Measurement in center of chamber at specified temperature	-	8012-1134
	right		
	10 mm	01	8012-1268
	30 mm	01	8012-1017
	50 mm	01	8012-1021
	100 mm	01	8012-1031
	Switchable acoustic alarm, with adjustable limit value on the independent temperature safety device	-	8012-1635
	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	-	8012-1572
	temperature measurement incl. certificate, 9 measuring points at specified temperature	-	8012-1551
	to comply with EMC requirements in accordance with EN 61326-1:2013-07 (IEC 61326-1:2012)	-	8012-0992
	top		
	10 mm	01	8012-1262
	30 mm	01	8012-0539
	50 mm	01	8012-0545
100 mm	01, 10	8012-1029	
viewing window (triple insulating glass) in door, 370 x 370 mm, and 15 W interior			
230 V option model	-	8012-1064	
240 V option model	-	8012-1065	
with 15 W light bulb			
230/240 V option model	-	8012-1627	
with visual alarm (DIN 12880)	04, 12	8012-0985	

* Notes › See last page

ACCESSORIES

Designation	Description	*	Art.-No.
Multi Management Software	Multi Management Software APT-COM™		
	version 4, BASIC edition	19	9053-0039
	version 4, GLP edition	19	9053-0042
	version 4, PROFESSIONAL edition	19	9053-0040

* Notes › See last page

Designation	Description	*	Art.-No.
	chrome plated	-	6004-0177
	Stainless steel	-	6004-0193
	stainless steel	-	6004-0161
	concentrated, for gentle remove of residual contaminants; 1 kg	-	1002-0016
	for Multi Management Software APT-COM™	-	8012-1645
	IQ/OQ documents – supporting documents for validation performed by customers, consisting of: IQ/OQ checklists incl. calibration guide and comprehensive unit documentation; parameters: temperature, CO ₂ , O ₂ , pressure, depending on unit		
	Digital in PDF format	-	7057-0001
	Hard copy inside folder	-	7007-0001
Options/Accessories	IQ/OQ/PQ documents – supporting documents for validation performed by customers, according to customer requirements, PQ section added to qualification folder IQ/OQ; parameters: temperature, CO ₂ , O ₂ – or pressure, depending on unit		
	Digital in PDF format	-	7057-0005
	Hard copy inside folder	-	7007-0005
	LOG ANALYZE software kit, configuration and evaluation software for all BINDER Data Logger Kits (incl. USB data cable)	19	8012-0821
	set of 4 anti-slip feet, for safe stacking of units	-	8012-1887
	stable cart, casters with locking brakes, dimensions: W 1,300 x D 800 x H 780 mm	-	9051-0019
	Stainless steel, max. load per rack 70 kg	-	6004-0203
	T 350: For continuous temperature logging from 0 °C to 350 °C; kit includes 1 data logger, Pt 100 sensor with 2 m extension cable and 1 magnetic fixture for mounting to the BINDER unit	19	8012-0714
	with lid made from 18/8 stainless steel, stackable, dimensions: 230 x 133 x 45 mm	-	4022-0123
	with lid made from 18/8 stainless steel, stackable, dimensions: 315 x 215 x 60 mm	-	4022-0124

* Notes › See last page

SERVICES

Designation	Description	*	Art.-No.
Installation services			
Services	Unit function instructions for operation and programming of the controller	18	DL10-0500
	Unpacking and setting up of unit, connecting to existing connections, and checking function	13, 18	DL10-0100
Preventive maintenance			
Services	Executive of equipment inspection according to maintenance plan	14, 18	DL20-0200
Calibration services			
	Expansion – including certificate, each additional measuring point in center of chamber at specified test temperature	14, 16, 17, 18	DL30-0102
	including certificate (in accordance with ASTM D5374)	14, 16, 17, 18	DL33-0000
Services	Temperature calibration with 1 measuring point in center of chamber at a specified test temperature, including certificate	14, 16, 17, 18	DL30-0101
	Temperature measurement with 18 measuring points at a specified test temperature, including certificate	14, 16, 17, 18	DL30-0118
	Temperature measurement with 27 measuring points at a specified test temperature, including certificate	14, 16, 17, 18	DL30-0127
	Temperature measurement with 9 measuring points at a specified test temperature, including certificate	14, 16, 17, 18	DL30-0109
Validation services			
Services	Execution of IQ/OQ in accordance with qualification folder	15, 18	DL40-0100
	Execution of IQ/OQ/PQ in accordance with qualification folder	15, 18	DL44-0500
Warranty service			
Services	The warranty is extended from 2 to 3 years from the delivery date, wear parts are excluded	-	DL00-2041
	The warranty is extended from 2 to 5 years from the delivery date, wear parts are excluded	-	DL00-2042

* 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 Heat resistant only to max. 200 °C.
- 04 Only available on units rated for 230 V.
- 07 The additional heat input may affect the temperature behavior.
- 09 Not in conjunction with the optional access port, door with window and interior lighting.
- 10 Not available on 23-liter units.
- 11 Not available on 23- or 53-liter units.
- 12 Only available on units rated for 230 V or 400 V.
- 13 Installation and connections take place at unit location; transport within the company only upon consultation.
- 14 We recommend a BINDER service contract to cover unit inspections, calibrations and validations.
- 15 OQ according to Yellow Paper = completed factory validation documentation of all OQ checklists.
- 16 Sensor calibration is performed in an accredited calibration laboratory.
- 17 Calibration is performed according to the BINDER factory standard.
- 18 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).
- 19 For additional accessories, refer to the Process documentation chapter.

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