

# Model MK 240 | Dynamic climate chambers for rapid temperature changes

The BINDER MK series chamber is suitable for all heat and cold tests between -40 °C and 180 °C. The MK is a clever alternative to complex individual solutions for cyclical temperature tests.

## **BENEFITS**

- Homogeneous climate conditions thanks to APT.line™ technology
- · Comprehensive programming and data acquisition
- · Large heated viewing window



Model 240



Model 240

## MAIN FEATURES

- Temperature range: -40 °C to 180 °C
- APT.line<sup>™</sup> preheating chamber technology
- Programmable condensation protection for test material
- · Heated viewing window with LED interior lighting
- BINDER APT-COM™ 3 Basic Edition communication software
- Troubleshooting system with visual and audible alarms
- · Controller with time-segment programming
- Access port with silicone plug, 50 mm, left
- Class 2 independent adjustable temperature safety device (DIN 12880) with visual alarm
- · 4 castors, two with brakes
- · Computer interface: Ethernet
- 230 V power socket on the right-side control panel
- · Display via color LCD monitor

- · Adjustable ramp function
- · Integrated chart recorder
- Real-time clock
- Door heating
- 1 stainless steel rack
- BINDER test confirmation
- Inner chamber made of stainless steel
- Pt 100 temperature sensor
- Thermal insulation using PUR foam
- CFC-free refrigerant R-404A
- · Cooling with compressor cooling unit
- · Fin evaporator

## ORDERING INFORMATION

Interior volume [cu.ft.]	Voltage	Option model	Version	ArtNo.
Model MK 240				
0	4000 V 3 ph 50 Hz	Standard	MK240-400V	9020-0181
0	4800 V 3 ph 60 Hz	7 3 ph 60 Hz with voltage and frequency converter	MK240-400V-C	9020-0294



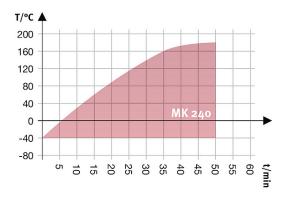
## **TECHNICAL DATA**

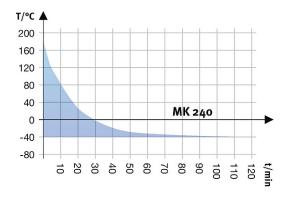
Temperature range [**C]         40180         -40180           Temperature variation depending on setpoint [± K]         0.10.2         0.10.5           Average heating-up rate according to til € 60068-3-5 [K/min]         5         5           Cooling down time from 180 °C to -40 °C [min]         110         110           Average cooling down time according to IEC 60068-3-5 [K/min]         200         200           Black heat cooling down time according to IEC 60068-3-5 [K/min]         200         200           Electrical data         45         45           Rated Voltage IV]         4000         4800           Power frequency [Hz]         50         60           Nominal power [kW]         4.2         4.2           Unit base [A]         16         16           Phase (Nominal voltage) [th]         3         3           Measures - Outer dimensions         Will the [min]         1115         1115           Will clearance sidewise [min]         335         335           Wall clearance sidewise [min]         300         300           Viewing vindow width [min]         508         508           Viewing vindow width [min]         735         738           Viewing vindow width [min]         700         70 <th>Description</th> <th>MK240-400V<sup>1</sup></th> <th>MK240-400V-C<sup>1</sup></th>	Description	MK240-400V <sup>1</sup>	MK240-400V-C <sup>1</sup>
Temperature range [**C]         40180         -40180           Temperature variation depending on setpoint [± K]         0.10.2         0.10.5           Average heating-up rate according to til € 60068-3-5 [K/min]         5         5           Cooling down time from 180 °C to -40 °C [min]         110         110           Average cooling down time according to IEC 60068-3-5 [K/min]         200         200           Black heat cooling down time according to IEC 60068-3-5 [K/min]         200         200           Electrical data         45         45           Rated Voltage IV]         4000         4800           Power frequency [Hz]         50         60           Nominal power [kW]         4.2         4.2           Unit base [A]         16         16           Phase (Nominal voltage) [th]         3         3           Measures - Outer dimensions         Will the [min]         1115         1115           Will clearance sidewise [min]         335         335           Wall clearance sidewise [min]         300         300           Viewing vindow width [min]         508         508           Viewing vindow width [min]         735         738           Viewing vindow width [min]         700         70 <td>Article Number</td> <td>9020-0181</td> <td>9020-0294</td>	Article Number	9020-0181	9020-0294
Temperature variation depending on setpoint [± K]         0.112         0.112           Temperature fluctuation depending on setpoint [± K]         0.105         0.105           Average heating-up rate according to 1EC 60088-3-5 [K/min]         5         5           Ocoling down time from 180 °C to -40 °C [min]         110         110           Average cooling down time according to 1EC 60088-3-5 [K/min]         4.5         4.5           Max. heat compensation at 25 °C [W]         2000         2000           Electrical data         ************************************	Performance Data Temperature		
Temperature fluctuation depending on setpoint [± K]         0.10.5         0.10.5           Average heating-up rate according to IEC 60068-3-6 [Kmin]         5         5           Gooling down time from 180° C to -40° C [min]         110         110           Max. heat compensation at 25° C [W]         2000         2000           Electrical data         ************************************	Temperature range [°C]	-40180	-40180
Average heating-up rate according to IEC 80088-3-5 [K/min]         5         5           Cooling down time from 180°C to -40°C [min]         110         110           Average cooling down time according to IEC 80088-3-5 [K/min]         4.5         4.5           Max. heat compensation at 25°C [W]         2000         2000           Electrical data         Water Strain [Min 2000]         4800           Power frequency [Hz]         50         60           Nominal power [kW]         4.2         4.2           Unit fuse [A]         16         16           Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions         Water County [Min 2000]         115         1115           Height net [mn]         1715         1715         1715           Height net [mn]         25         925           Wall clearance back [mn]         300         30         30           Wall clearance sidewise [mm]         300         30         30           Viewing window height [mn]         300         30         30           Wall clearance sidewise [mm]         300         30         30           Wall clearance soldwise [mm]         508         508         508           Viewing window height [m	Temperature variation depending on setpoint [± K]	0.11.2	0.11.2
Cooling down time from 180 °C to -40 °C (min)         110         110           Average cooling down time according to IEC 60088-3-5 [K/min]         4.5         4.5           Max. heat compensation at 25 °C [W]         2000         2000           Electhical data         ************************************	Temperature fluctuation depending on setpoint [± K]	0.10.5	0.10.5
Average cooling down time according to IEC 80088-3-5 [K/min]         4.5         4.5           Max. heat compensation at 25 °C [W]         2000         2000           Electrical data         Verification of the proper	Average heating-up rate according to IEC 60068-3-5 [K/min]	5	5
Max. heat compensation at 25 °C [W]         2000         2000           Electrical data         ************************************	Cooling down time from 180 °C to -40 °C [min]	110	110
Electrical data           Rated Voltage [V]         4000         4800           Power frequency [t-z]         50         60           Nominal power [kW]         4.2         4.2           Unit fuse [A]         16         16           Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions         Width net [mm]         1115         1115           Height net [mm]         1715         1715         1715           Depth net [mm]         925         925           Wall clearance back [mm]         300         300           Viewing window width [mm]         508         508           Viewing window height [mm]         900         300           Weasures - Doors         1         1         1           Weasures - Internal Dimensions         Width [mm]         735         735           Height [mm]         700         700         20           Depth [mm]         228         228         228           Net weight of the unit (empty) [kg]         340         340         340           permitted load [kg]         70         70         20         20           Lord oper rack [kg]         80         90         3	Average cooling down time according to IEC 60068-3-5 [K/min]	4.5	4.5
Rated Voltage [V]         4000         4800           Power frequency [Hz]         50         60           Nominal power [kW]         4.2         4.2           Unit fuse [A]         16         16           Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions             Width net [mm]         1115         1115           Height net [mm]         1715         1715           Depth net [mm]         925         925           Wall clearance back [mm]         300         300           Viewing window width [mm]         508         508           Viewing window height [mm]         300         300           Measures - Doors         1         1           Wild furmal Dimensions         1         1           Wild furmal Masures - Internal Dimensions         735         735           Wild furmal Again Masures - Internal Dimensions         43         43           Wessures - Internal Dimensions         228         228           Wild furmal Again Masures - Internal Dimensions         43         43           Well furmal Again Masures - Internal Dimensions         228         228           Net weight of the unit (empty) [kg] <td>Max. heat compensation at 25 °C [W]</td> <td>2000</td> <td>2000</td>	Max. heat compensation at 25 °C [W]	2000	2000
Power frequency [Hz]         50         60           Nominal power [kW]         4.2         4.2           Unit fuse [A]         16         16           Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions         Width net [mm]         1115         1115           Width net [mm]         1715         1715         1715           Depth net [mm]         925         925           Wall clearance back [mm]         300         300           Viewing window width [mm]         508         508           Viewing window height [mm]         300         300           Wessures - Doors         Unit doors         1         1           Width [mm]         735         735           Width [mm]         700         70           Depth [mm]         443         443           Measures         1         43           Width [mm]         228         228           New weight of the unit (empty) [kg]         340         340           Depth [mm]         30         30           Load per rack [kg]         30         30           Environment-specific data         30         30           Depth [mm]	Electrical data		
Nominal power [kW]         4.2         4.2           Unit fuse [A]         16         16           Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions             Width net [mm]         1115         1115           Height net [mm]         1715         1715           Depth net [mm]         925         925           Wall clearance back [mm]         300         300           Viewing window width [mm]         508         508           Viewing window height [mm]         300         300           Measures - Doors             Unit doors         1         1           Measures - Internal Dimensions          735           Height [mm]         700         700           Depth [mm]         443         443           Measures          228         228           Net weight of the unit (empty) [kg]         340         340           Permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         52         67           Fixtures	Rated Voltage [V]	4000	4800
Unit fuse [A]         16         16           Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions         ************************************	Power frequency [Hz]	50	60
Phase (Nominal voltage) [ph]         3         3           Measures - Outer dimensions	Nominal power [kW]	4.2	4.2
Measures - Outer dimensions           Width net [mm]         1115         1115           Height net [mm]         1715         1715           Depth net [mm]         925         925           Wall clearance back [mm]         300         300           Will clearance sidewise [mm]         300         300           Viewing window width [mm]         508         508           Viewing window height [mm]         300         300           Measures - Doors         Unit doors         1         1           Width [mm]         735         735           Height [mm]         700         700           Depth [mm]         443         443           Measures         Interior volume [L]         228         228           Net weight of the unit (empty) [kg]         340         340           permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         50         6           Fixtures         62         67	Unit fuse [A]	16	16
Width net [mm]     1115     1115       Height net [mm]     1715     1715       Depth net [mm]     925     925       Wall clearance back [mm]     335     335       Wall clearance sidewise [mm]     300     300       Viewing window width [mm]     508     508       Viewing window height [mm]     300     300       Measures - Doors     1     1       Unit doors     1     1       Measures - Internal Dimensions     735     735       Width [mm]     735     735       Height [mm]     43     43       Measures     1     228     228       Net weight of the unit (empty) [kg]     340     340       permitted load [kg]     70     70       Load per rack [kg]     30     30       Environment-specific data       Sound-pressure level [dB(A)]     62     67       Fixtures	Phase (Nominal voltage) [ph]	3	3
Height net [mm]       1715       1715         Depth net [mm]       925       925         Wall clearance back [mm]       335       335         Wall clearance sidewise [mm]       300       300         Viewing window width [mm]       508       508         Viewing window height [mm]       300       300         Measures - Doors       1       1         Unit doors       1       1         Measures - Internal Dimensions       735       735         Width [mm]       700       700         Depth [mm]       443       443         Measures       Interior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data       50       67         Fixtures	Measures - Outer dimensions		
Depth net [mm]         925         925           Wall clearance back [mm]         335         335           Wall clearance sidewise [mm]         300         300           Viewing window width [mm]         508         508           Viewing window height [mm]         300         300           Measures - Doors         T         1           Unit doors         1         1           Measures - Internal Dimensions         735         735           Width [mm]         700         700           Depth [mm]         443         443           Measures         Interior volume [L]         228         228           Net weight of the unit (empty) [kg]         340         340           permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         50         67           Fixtures         62         67	Width net [mm]	1115	1115
Wall clearance back [mm]       335       335         Wall clearance sidewise [mm]       300       300         Viewing window width [mm]       508       508         Viewing window height [mm]       300       300         Measures - Doors       1       1         Unit doors       1       1         Measures - Internal Dimensions       735       735         Width [mm]       700       700         Depth [mm]       443       443         Measures         Interior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data       50       67         Fixtures       50       67	Height net [mm]	1715	1715
Wall clearance sidewise [mm]       300       300         Viewing window width [mm]       508       508         Viewing window height [mm]       300       300         Measures - Doors       "Table of the unit (empty) [kg]       1         Unit doors       1       1         Measures - Internal Dimensions       735       735         Width [mm]       700       700         Depth [mm]       443       443         Measures       Uniterior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data       50       67         Fixtures	Depth net [mm]	925	925
Viewing window width [mm]         508         508           Viewing window height [mm]         300         300           Measures - Doors         1         1           Unit doors         1         735         735           Width [mm]         735         735         735           Height [mm]         700         700         700           Depth [mm]         443         443         443           Measures         1         228         228         228           Net weight of the unit (empty) [kg]         340         340         340           permitted load [kg]         70         70         20           Load per rack [kg]         30         30         20           Environment-specific data         50         67         75           Fixtures         62         67         75	Wall clearance back [mm]	335	335
Viewing window height [mm]       300       300         Measures - Doors       1       1         Unit doors       1       1         Measures - Internal Dimensions       ************************************	Wall clearance sidewise [mm]	300	300
Measures - Doors         1         1           Measures - Internal Dimensions         735         735           Width [mm]         700         700           Depth [mm]         443         443           Measures         Value         Value           Interior volume [L]         228         228           Net weight of the unit (empty) [kg]         340         340           permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         Sound-pressure level [dB(A)]         62         67           Fixtures	Viewing window width [mm]	508	508
Unit doors       1       1         Measures - Internal Dimensions       735       735         Width [mm]       700       700         Depth [mm]       443       443         Measures       Interior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data       50 und-pressure level [dB(A)]       62       67         Fixtures	Viewing window height [mm]	300	300
Measures - Internal Dimensions         Width [mm]       735       735         Height [mm]       700       700         Depth [mm]       443       443         Measures       Unterior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data         Sound-pressure level [dB(A)]       62       67         Fixtures	Measures - Doors		
Width [mm]       735       735         Height [mm]       700       700         Depth [mm]       443       443         Measures       Verify volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data         Sound-pressure level [dB(A)]       62       67         Fixtures	Unit doors	1	1
Height [mm]       700       700         Depth [mm]       443       443         Measures       Interior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data         Sound-pressure level [dB(A)]       62       67         Fixtures	Measures - Internal Dimensions		
Depth [mm]       443       443         Measures       Unterior volume [L]       228       228         Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data         Sound-pressure level [dB(A)]       62       67         Fixtures	Width [mm]	735	735
Measures           Interior volume [L]         228         228           Net weight of the unit (empty) [kg]         340         340           permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         50und-pressure level [dB(A)]         62         67           Fixtures         62         67	Height [mm]	700	700
Interior volume [L]         228           Net weight of the unit (empty) [kg]         340         340           permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         Sound-pressure level [dB(A)]         62         67           Fixtures         Fixtures         Fixtures         Fixtures	Depth [mm]	443	443
Net weight of the unit (empty) [kg]       340       340         permitted load [kg]       70       70         Load per rack [kg]       30       30         Environment-specific data         Sound-pressure level [dB(A)]       62       67         Fixtures	Measures		
permitted load [kg]         70         70           Load per rack [kg]         30         30           Environment-specific data         50         67           Fixtures         62         67	Interior volume [L]	228	228
Load per rack [kg]       30       30         Environment-specific data       50       67         Fixtures       62       67	Net weight of the unit (empty) [kg]	340	340
Environment-specific data  Sound-pressure level [dB(A)] 62 67  Fixtures	permitted load [kg]	70	70
Sound-pressure level [dB(A)] 62 67 Fixtures	Load per rack [kg]	30	30
Fixtures	Environment-specific data		
	Sound-pressure level [dB(A)]	62	67
Number of shelves (std./max.) 1/6 1/6	Fixtures		
	Number of shelves (std./max.)	1/6	1/6

<sup>1</sup> 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. Technical data refers to 100 % fan speed. All indications are average values, typical for units produced in series. We reserve the right to change technical specifications at any time.

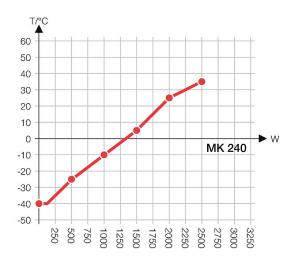


## **CHARTS**





Heating up rate



Cooling down rate

Heat compensation chart

## **OPTIONS AND ACCESSORIES**

Designation	Description	*	ArtNo.
Access port	notch-type access port in door, 100 x 35 mm	-	8012-1408
	left		
	30 mm	01	8012-1322
	50 mm	01	8012-1328
	80 mm	01	8012-1334
	100 mm	01, 11	8012-1542
	125 mm	01, 11	8012-1351
	right		
Access port with silicone	30 mm	01	8012-1319
plug	50 mm	01	8012-1325
	80 mm	01	8012-1331
	100 mm	01, 11	8012-1539
	125 mm	01, 11	8012-1348
	top		
	80 mm	01	8012-1536
	100 mm	01, 11	8012-1530
	125 mm	01, 11	8012-1533
Analog output, 4 – 20 mA	for temperature values (output not adjustable)	-	8012-0517

<sup>\*</sup> Notes > See last page



Designation	Description	*	ArtNo.
Calibration certificate, expanded	for temperature; for extending the measurement in center of chamber to include another test temperature	-	8012-1124
	for temperature, measurement in center of chamber at specified temperature	-	8012-1143
Calibration certificate,	temperature measurement incl. certificate and 27 measuring points at specified temperature	-	8012-1602
temperature	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	-	8012-1581
	temperature measurement incl. certificate, 9 measuring points at specified temperature	-	8012-1560
Converter, voltage and frequency	to operate the device at a nominal voltage of 480 V 3 ph 60 Hz, 16 A	-	8009-0858
Door lock	lockable door handle	-	8012-1405
	RS 422 cable set and RS 232 / RS 422 interface converter for connection to 10-way plug distributor or for connection to a unit		
	120 V, 60 Hz option model	-	8012-0557
	230 V, 50/60 Hz option model	-	8012-0556
Interface converter	RS 422 cable set and RS 422 / Ethernet interface converter for connection to 10-way plug distributor or for connection to a unit		
	120 V, 60 Hz option model	-	8012-0405
	230 V, 50/60 Hz option model	-	8012-0380
Interface converter, USB / RS422	RS 422 cable set and RS 422 / USB interface converter for connection to 10-way plug distributor or for connection to a unit (USB-powered converter)	-	8012-0665
Lockable controller keyboard	Lockable controller keyboard with key-operated switch	-	8012-1345
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	-	1002-0016
Pt 100 temperature sensor	additional flexible Pt 100, interior, for displaying the temperature on the unit display	-	8012-1295
Rack	stainless steel	-	6004-0097
Rack accessories	Rack accessories – fasteners (1 set of 4) for additional security of racks	-	8012-0620
Rack, reinforced	stainless steel, with 1 set of 4 fasteners, max. load 70 kg	-	8012-0605
RS 422 interface	in place of Ethernet, for communication software	-	8012-1513
RS 422 Interface	modular plug distributor for 10 RS 422 interfaces	-	8012-0295
RS 422 interface, cable (15 m)	RS 422 connection cable (15 m) between plug distributor and RS 422 interface	-	5023-0036
RS 422 interface, cable (50 m)	RS 422 extension cable (50 m) between interface converter and unit or RS 232 / RS 422 plug distributor	-	5023-0117
Shelf, perforated	stainless steel	-	8009-0447
	APT-COM™ communications software		
Software	version 2 to 3, GLP edition	19	9053-0016
	version 3, BASIC edition	19	9053-0014
	version 3, GLP edition	19	9053-0015
	version 3, STANDARD edition	19	9053-0013
	APT-COM™ communications software, price: for free		
	version 3, GLP DEMO Edition	19	9053-0008
Zero voltage relay contacts	for controlling 3 relay contacts via program regulators, accessible via 6-pin DIN socket (max. 24 V - 2.5 A)	-	8012-0660

<sup>\*</sup> Notes > See last page

## **SERVICES**

Designation	Description	*	ArtNo.
Installation services			
Data Logger Kit installation service	unit function instructions for operation and programming of the controller	18	DL100600
Installation	and set up of unit at operating location, connect to existing connections	13, 18	DL100100
Preventive maintenance			
Preventive maintenance	Executive of equipment inspection according to maintenance plan	14, 18	DL200300

<sup>\*</sup> Notes > See last page



Designation	Description	*	ArtNo.
Calibration services			
Data Logger Kit calibration service	including certificate, one measuring point in center of chamber at specified temperature	14, 16, 17, 18	DL300101
Temperature measurement 18 measuring points	including certificate, 18 measuring points at specified temperature	14, 16, 17, 18	DL300118
Temperature measurement 27 measuring points	including certificate, 27 measuring points at specified temperature	14, 16, 17, 18	DL300127
Temperature measurement 9 measuring points	including certificate, 9 measuring points at specified temperature	14, 16, 17, 18	DL300109
Validation services			
Data Logger Kit validation service	in accordance with qualification folder	15, 18, 20	DL410200
Execution of IQ/OQ/PQ	in accordance with customer's requirement, price: on request	15, 18	DL440500
Qualification folder IQ/OQ	supporting documents for validation performed by customer, consisting of: IQ/OQ checklists, unit schematics, QM certificate in accordance with ISO 9001	15, 18, 20	8012-0863
Qualification folder IQ/OQ/PQ	supporting documents for validation performed by customer, in accordance with customer's requirement, extension of Qualification folder IQ/OQ by chapter PQ	15, 18	8012-0951
Warranty service			
Extension of the warranty from 2 to 3 years	beginning with the date of delivery, wearing parts are not included	-	DL011041
Extension of the warranty from 2 to 5 years	beginning with the date of delivery, wearing parts are not included	-	DL011042

<sup>\*</sup> Notes > See last page



#### **NOTES**

- Condensation may occur in the area around the access port. Access ports may be placed in custom locations for an additional charge. 01 02
- UL mark is not granted when this option is used.
- Heat resistant only to max. 200 °C. 03
- Only available on units rated for 230 V.
- Heating-up time may increase as a result of the lower heat conductivity.
- 09 Not in conjunction with the optional access port, door with window and interior lighting.
- 10 Not available on 23-liter units.
- Not available on 23- or 53-liter units.

  Only available on units rated for 230 V or 400 V. 11 12 13
- Installation and connections take place at unit location; transport within the company only upon consultation.
- We recommend a BINDER service contract (see the chapter on BINDER Service) to cover unit inspections, calibrations and validations
- OQ according to Yellow Paper = completed factory validation documentation of all OQ checklists.
- Sensor calibration is performed in an accredited calibration laboratory.
- Calibration is performed according to the BINDER factory standard. 17
- 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). 18
- For additional accessories, refer to the Process documentation chapter. 19
- When ordering IQ/OQ qualification folders and associated IQ/OQ execution on one order, we offer a 15 % discount for both items.
  - When ordering IQ/OQ/PQ qualification folders and associated IQ/OQ/PQ execution on one order, we offer a 15 % discount for the item of the IQ/OQ/PQ folder.