

Model KBF 240 | Humidity test chambers with large temperature / humidity range

The BINDER KBF is the specialist for unconditionally reliable stability testing and precise maintenance of constant climate conditions. From programming to documentation, this humidity test chamber meets all critical requirements.

BENEFITS

- Homogeneous climate conditions thanks to APT.line™ technology
- · Automatic water and wastewater management
- · Pressure humidification with fast response times



Model 240

MAIN FEATURES

- Temperature range: 0 °C to 70 °C
- Humidity range: 10 % to 80 % RH
- APT.line[™] preheating chamber technology
- Humidity regulation with capacitive humidity sensor and vapor humidification
- Intuitive touchscreen controller with time-segment and real-time programming with internal data recording
- Tight-sealing inner door made of safety glass (ESG)
- · Avoidance of glass corrosion by special TIMELESS coating
- · Inner chamber made of stainless steel



Model 240

- · 2 stainless steel racks
- · Access port with silicone plug, 30 mm, left
- · 4 stable castors, two with brakes, from 240 liters
- Class 3.1 independent temperature safety device (DIN 12880) with visual and audible temperature alarm
- · Computer interface: Ethernet
- · Door heating

ORDERING INFORMATION

Interior volume [cu.ft.]	Voltage	Option model	Version	ArtNo.
Model KBF 240				
8.7	200230 V 1~ 50/60 Hz	Standard	KBF240-230V	9020-0322
	200240 V 1~ 50/60 Hz	Standard	KBF240UL-240V	9020-0323



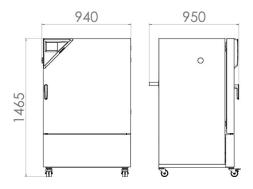
TECHNICAL DATA

Description	KBF240-230V ¹	KBF240UL-240V ¹
Article Number	9020-0322	9020-0323
Performance Data Temperature		
Temperature range [°C]	070	070
Temperature variation at 40 °C [± K]	0.3	0.3
Temperature fluctuation [± K]	0.1	0.1
Max. heat compensation at 40 °C [W]	300	300
Performance Data Climate		
Temperature range [°C]	1070	1070
Temperature variation at 25 °C and 60 % RH [± K]	0.3	0.3
Temperature variation at 40 °C and 75 % RH [± K]	0.3	0.3
Temperature fluctuation at 25 °C and 60 % RH [± K]	0.1	0.1
Temperature fluctuation at 40 °C and 75 % RH [± K]	0.1	0.1
Humidity range [% RH]	1080	1080
Humidity fluctuation at 25 °C and 60 % RH	1,5 ± % RH	1,5 ± % RH
Humidity fluctuation at 40 °C and 75 % RH	1,5 ± % RH	1,5 ± % RH
Humidty recovery time after 30 s door open at 25 $^{\circ}\text{C}$ and 60 $\%$ RH [min]	5	5
Humidty recovery time after 30 s door open at 40 °C and 75 % RH [min]	11	11
Electrical data		
Rated Voltage [V]	200230	200240
Power frequency [Hz]	50/60	50/60
Nominal power [kW]	2.1	2.1
Unit fuse [A]	16	16
Phase (Nominal voltage)	1~	1~
Outer dimensions		
Width net [in]	36.45	36.45
Height net [in]	57.5	57.5
Depth net [in]	31.52	31.52
Wall clearance back [in]	3.94	3.94
Wall clearance sidewise [in]	3.94	3.94
Doors		
Inner doors	1	1
Unit doors	1	1
Internal Dimensions		
Width [in]	25.61	25.61
Height [in]	30.93	30.93
Depth [in]	19.11	19.11
Measures	0.7	0.7
Interior volume [cu.ft.]	8.7	8.7
Net weight of the unit (empty) [lbs]	406	406
permitted load [lbs]	220	220
Load per rack [lbs]	66	66
Environment-specific data	650	850
Energy consumption at 40 °C and 75 % RH [Wh/h]	650	650
Sound-pressure level [dB(A)]	52	52
Fixtures Number of shelves (ctd /max)	2/0	2/9
Number of shelves (std./max.)	2/9	ZI S

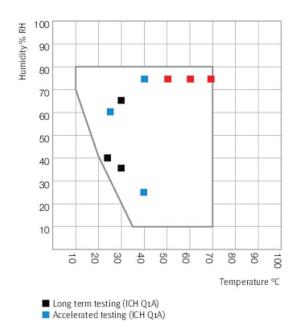
¹ All technical data is specified for unloaded units with standard equipment at an ambient temperature of +22 °C ±3 °C and a power supply voltage fluctuation of ±10 %. The temperature data is determined in accordance to BINDER factory standard following DIN 12880, observing the recommended wall clearances of 10 % of the height, width, and depth of the inner chamber. 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.



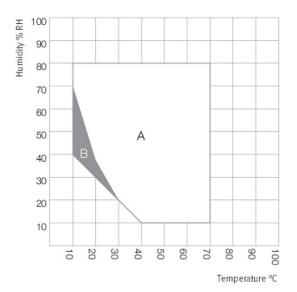
DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]



CHARTS



Temperature--humidity chart with ICH checkpoints



A: Guaranteed condensation-free range B: Time-limited operation (max. 24 hours)

Climate chart

OPTIONS AND ACCESSORIES

Stress testing (ICH Q1A)

Designation	Description	*	ArtNo.
	left		
	30 mm	01	8012-1442
	50 mm	01	8012-1472
	100 mm	01	8012-0515
	right		
Access port with silicone	30 mm	01	8012-1436
plug	50 mm	01	8012-1466
	100 mm	01	8012-0514
	top		
	30 mm	01	8012-1448
	50 mm	01	8012-1454
	100 mm	01	8012-1460
Alarm output, zero- voltage	for temperature (±2 °C) and humidity (±5 % RH), accessible via 6-pin DIN socket (max. 24 V - 2.5 A), with audible signal that can be switched off	-	8012-1037
Analog output 4-20 mA	for temperature and humidity values (output not adjustable)	-	8012-1040

^{*} Notes > See last page



Designation	Description	*	ArtNo.
BINDER PURE AQUA SERVICE	System for preparation or complete desalination of tap water, complete set containing PURE AQUA 300 single-use cartridge, measuring device, and all necessary connecting parts		8012-1809
BINDER PURE AQUA SERVICE, accessories	PURE AQUA 300 single-use replaceable cartridge for the BINDER PURE AQUA SYSTEM, filter capacity approx. 700 liters (for a conductivity of 200 μ S/cm = 6.6 °dH)	-	6011-0179
	PURE AQUA 600 single-use replaceable cartridge for the BINDER PURE AQUA SYSTEM, filter capacity approx. 1,400 liters (for a conductivity of 200 µS/cm = 6.6 °dH)	-	6011-0180
Calibration certificate, expanded	for temperature and humidity; for extending the measurement in center of chamber to include another test value	-	8012-0155
	temperature measurement incl. certificate and 27 measuring points at specified temperature	-	8012-0923
Calibration certificate,	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	_	8012-0920
temperature	temperature measurement incl. certificate, 9 measuring points at specified temperature	_	8012-0917
Calibration certificate,	Measurement in center of chamber at 25 °C / 60% RH or at specified test values	_	8012-0154
emperature and umidity	temperature (according to DIN12880) and humidity measurement incl. certificate, 27 temperature measuring points and 1 humidity measuring point, at 25 °C / 60 % RH or at specified values	-	8012-0924
Class 3.3 independent emperature safety device	with visual alarm (DIN 12880)		8012-1033
	to operate the device at a nominal voltage of 120 V 1 ph 60 Hz		
Converter, voltage	240 V option model	_	8009-0821
	T 220: For continuous temperature logging from -90 °C to 220 °C. The kit includes 1 data logger, Pt 100 sensor with 2 m extension cable and 1 magnetic fixture for mounting to the BINDER unit	19	8012-071
Data Logger Kit	TH 70/70: For continuous temperature and humidity logging from -40 °C to 70 °C / 0% to 100% RH and additional logging of ambient conditions. Kit includes 1 data logger, 2 attachable combined humidity/temperature sensors, 2 m extension cable and 1 fixture for mounting to the BINDER unit	19	8012-0717
	TH 70: For continuous temperature and humidity logging from -40 °C to 70 °C; 0% to 100% RH. Kit includes 1 data logger, Pt 100 sensor with 2 m extension cable, and 1 magnetic fixture for mounting to the BINDER unit	19	8012-071
Oata Logger Software	LOG ANALYZE software kit, configuration and evaluation software for all BINDER Data Logger Kits (incl. USB data cable)	19	8012-082
Door lock	lockable door handle	-	8012-102
	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	-	8012-055
Interface converter	230 V, 50/60 Hz option model	-	8012-0556
nterface converter	RS 422 cable set and RS 422 / Ethernet interface converter for connection to 10-way plug distributor or for connection to a unit		
nterface converter	· · · · · · · · · · · · · · · · · · ·	_	8012-040
nterface converter	connection to a unit	- -	
nterface converter nterface converter, JSB / RS422	connection to a unit 120 V, 60 Hz option model	-	8012-0380
nterface converter, JSB / RS422	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model RS 422 cable set and RS 422 / USB interface converter for connection to 10-way plug distributor or for connection	- - - 07	8012-038 8012-066
nterface converter, JSB / RS422	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding	-	8012-0380 8012-0669
nterface converter, JSB / RS422	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67)	-	8012-0386 8012-0669 8012-1049
nterface converter, JSB / RS422 nterior socket	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz	-	8012-0666 8012-1045 8012-1107
nterface converter, JSB / RS422 nterior socket	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm	-	8012-038 8012-066 8012-104
nterface converter, JSB / RS422 nterior socket	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Basic set 500, length 50 cm	-	8012-0386 8012-0666 8012-104; 8012-110; 8012-110;
nterface converter, JSB / RS422 nterior socket	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Basic set 500, length 50 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars	-	8012-038 8012-066 8012-104 8012-110 8012-110
nterface converter, JSB / RS422 Interior socket	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set 300, length 30 cm	-	8012-038 8012-066 8012-104 8012-110 8012-110 8012-171 8012-171
nterface converter, JSB / RS422 Interior socket LED light bars OH-neutral detergent Ot 100 temperature	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set 300, length 30 cm Expansion set 500, length 50 cm	- - 07 - - -	8012-0386 8012-0669 8012-1043 8012-1108 8012-1716 8012-1717 1002-0016
nterface converter, JSB / RS422 Interior socket LED light bars OH-neutral detergent Pt 100 temperature gensor	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set 300, length 30 cm Expansion set 500, length 50 cm concentrated, for gentle remove of residual contaminants; 1 kg	- - 07 - - -	8012-0386 8012-0669 8012-1043 8012-1108 8012-1716 8012-1717 1002-0016 8012-1042
nterface converter, USB / RS422 Interior socket LED light bars OH-neutral detergent Pt 100 temperature sensor Rack accessories	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set 500, length 50 cm Expansion set 300, length 30 cm Expansion set 500, length 50 cm concentrated, for gentle remove of residual contaminants; 1 kg additional flexible Pt 100, interior, for displaying the temperature on the unit display	- - 07 - - - - -	8012-0386 8012-0668 8012-104; 8012-110; 8012-171; 8012-171; 1002-001; 8012-104;
nterface converter,	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set 500, length 50 cm Expansion set 300, length 30 cm Expansion set 300, length 50 cm concentrated, for gentle remove of residual contaminants; 1 kg additional flexible Pt 100, interior, for displaying the temperature on the unit display Rack accessories – fasteners (1 set of 4) for additional security of racks	- - 07 - - - - -	8012-0409 8012-0380 8012-1043 8012-1106 8012-1106 8012-1717 1002-0016 8012-1042 8012-0620 8012-0630 6004-0107
nterface converter, JSB / RS422 nterior socket LED light bars OH-neutral detergent Pt 100 temperature sensor Rack accessories Rack, reinforced	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set 300, length 30 cm Expansion set 500, length 50 cm concentrated, for gentle remove of residual contaminants; 1 kg additional flexible Pt 100, interior, for displaying the temperature on the unit display Rack accessories – fasteners (1 set of 4) for additional security of racks stainless steel, with fasteners (1 set of 4), max. load 70 kg	- - 07 - - - - - -	8012-038 8012-066 8012-104 8012-110 8012-171 8012-171 1002-001 8012-104 8012-062 8012-063 6004-010
nterface converter, JSB / RS422 nterior socket LED light bars OH-neutral detergent Pt 100 temperature sensor Rack accessories Rack, reinforced Racks RS 422 interface,	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set 300, length 30 cm Expansion set 500, length 50 cm concentrated, for gentle remove of residual contaminants; 1 kg additional flexible Pt 100, interior, for displaying the temperature on the unit display Rack accessories – fasteners (1 set of 4) for additional security of racks stainless steel, with fasteners (1 set of 4), max. load 70 kg stainless steel modular plug distributor for 10 RS 422 interfaces	- - 07	8012-0386 8012-0668 8012-1043 8012-1106 8012-1716 8012-1717 1002-0016 8012-1043 8012-0626 8012-0636 6004-010 8012-0298
nterface converter, JSB / RS422 nterior socket LED light bars OH-neutral detergent Pt 100 temperature sensor Rack accessories Rack, reinforced Racks	connection to a unit 120 V, 60 Hz option model 230 V, 50/60 Hz option model 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) Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Basic set consisting of 2 pieces, attachment material, control unit for max. 4 light strips, 100-240 V, 50/60 Hz Basic set 300, length 30 cm Expansion set consisting of 2 pieces, attachment material: clips. For expanding the basic set of light bars Expansion set 300, length 30 cm Expansion set 500, length 50 cm concentrated, for gentle remove of residual contaminants; 1 kg additional flexible Pt 100, interior, for displaying the temperature on the unit display Rack accessories – fasteners (1 set of 4) for additional security of racks stainless steel, with fasteners (1 set of 4), max. load 70 kg	- - 07	8012-0386 8012-0669 8012-1049 8012-1108 8012-1718 8012-1719 1002-0016 8012-1049 8012-0636

^{*} Notes > See last page



Designation	Description	*	ArtNo.
Shelf, perforated	Stainless steel	- 60	6004-0040
	APT-COM™ communications software		
	version 2 to 3, GLP edition	19	9053-0016
	version 3, BASIC edition	19	9053-0014
Software	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
Water supply set	external, consisting of fresh- and waste-water containers (20 liters each), cabling and pump	_	8012-0643

^{*} Notes > See last page

SERVICES

Designation	Description	*	ArtNo.
Installation services			
Installation	and set up of unit at operating location, connect to existing connections	13, 18	DL10-0300
Instruction	unit function instructions for operation and programming of the controller	18	DL10-0700
Preventive maintenance			
Preventive maintenance	Executive of equipment inspection according to maintenance plan	14, 18	DL20-0400
Calibration services			
Calibration temperature and humidity	including certificate, one measuring point in center of chamber at 25 $^{\circ}\text{C}$ / 60 $\%$ RH or at specified values	14, 16, 17, 18	DL30-0301
Temperature and humidity measurement according to DIN12880	including certificate (27 temperature measuring points and one humidity measuring point, at 25 $^{\circ}\text{C}$ / 60 $^{\circ}$ RH or at specified values)	14, 16, 17, 18	DL30-0427
Temperature measurement 18 temperature measuring points and 1 humidity measuring point	including certificate, 18 temperature measuring points and 1 humidity measuring point in center of chamber, at 25 $^{\circ}$ C / 60 $^{\circ}$ RH or at specified values	14, 16, 17, 18	DL30-0318
Temperature measurement 27 temperature measuring points and 1 humidity measuring point	including certificate, 27 temperature measuring points and 1 humidity measuring point in center of chamber, at 25 °C / 60 % RH or at specified values	14, 16, 17, 18	DL30-0327
Temperature measurement 9 temperature measuring points and 1 humidity measuring point	including certificate, 9 temperature measuring points and 1 humidity measuring point in center of chamber, at 25 °C / 60 % RH or at specified values	14, 16, 17, 18	DL30-0309
Validation services			
Execution of IQ/OQ	in accordance with qualification folder	15, 18, 20	DL42-0300
Execution of IQ/OQ/PQ	in accordance with customer's requirement, price: on request	15, 18	DL44-0500
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	8012-0867
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	8012-0955
Warranty service			
Extension of the warranty from 2 to 3 years	beginning with the date of delivery, wearing parts are not included	-	DL01-4041
Extension of the warranty from 2 to 5 years	beginning with the date of delivery, wearing parts are not included	-	DL01-4042

^{*} 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.
- The additional heat input may affect the temperature behavior.
- Not in conjunction with the optional access port, door with window and interior lighting. 09
- Not available on 23-liter units.
- Not available on 23- or 53-liter units.
- 10 11 12 Only available on units rated for 230 V or 400 V.
- Installation and connections take place at unit location; transport within the company only upon consultation.
- We recommend a BINDER service contract to cover unit inspections, calibrations and validations.
- 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.

 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 18 include a country-specific added fee (available on request).
- For additional accessories, refer to the Process documentation chapter.
- When ordering IQ/OQ qualification folders and associated IQ/OQ execution on one order, we offer a 15 % discount for the item of the IQ/OQ folder.

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.