# Model KBF P 720 | Constant climate chambers with ICH-compliant light source

The KBF P constant climate chamber, equipped with ICH-compliant light source, is an expert when it comes to photostability tests and ensures clear test results in accordance with ICH Guideline Q1B. At the same time, the variable-position illumination cassettes offer homogeneous lighting conditions.

#### BENEFITS

- Safe thanks to climatic homogeneity that far exceeds the accuracy required by ICH guidelines, even with a fully loaded unit. The light spectrum is 100% compliant with ICH requirements.
- Reliable thanks to failsafe operation without compromise. The interior and Longlife evaporator plate are made entirely from stainless steel.
- Smart, as a wide range of accessories makes it highly compatible for adaptation to specific customer requirements.
- Economical thanks to maximum effective volume which allows for 30% larger load compared to the competition.



Model 720



Model 240

#### **IMPORTANT FEATURES**

- Temperature range: o °C to +70 °C
- Temperature range with light: +10 °C to +60 °C •
- Humidity range: 10 % to 80 % RH ٠
- 3 positionable illumination cassettes with ICH-compliant UV/Vis light source ٠
- APT.line<sup>™</sup> preheating chamber technology
- Humidity regulation with capacitive humidity sensor and vapor humidification 4 stable castors, two with brakes
- Inner chamber made of stainless steel
- BINDER Multi Management Software APT-COM™ Basic Edition
- Intuitive touchscreen controller with time-segment and real-time programming Computer interface: Ethernet
- Internal data logger, measured values can be read out in open format via USB Door heating

- · Unit self-test for comprehensive status analysis
- Tight-sealing inner door made of safety glass (ESG)
- Avoidance of glass corrosion by special TIMELESS coating
- 3 stainless steel racks
- Access port with silicone plug, 30 mm, left
- Class 3.1 independent temperature safety device (DIN 12880) with visual and audible temperature alarm

### ORDERING INFORMATION

Interior volume [L]	Power supply - unit fuse	Plug*	Version	Model version	ArtNo.
Model KBF P 720					
	200230 V 1~ 50/60 Hz -16,0 A	CEE 7/7	Standard	KBFP720-230V	9020-0330
700	200240 V 1~ 50/60 Hz -16,0 A NEMA 6-20 Standard KBFP720UL-240V		9020-0331		



# TECHNICAL DATA

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OptionNoticeNoticeDotion modelSamadaSamadaSamadaPerformance but Tenperature $A_1^{A_1^{A_2^{A_2^{A_2^{A_2^{A_2^{A_2^{A_2^{A_2$	Designation	KBFP720-230V	KBFP720UL-240V
Performance Data Temperature     Image of the second of the seco	Article Number	9020-0330	9020-0331
Imperature range     e70 °C     e70 °C       Temperature range without illumination casattes     e70 °C     e70 °C       Temperature range without illumination casattes     e60 °C     e60 °C       Max. hext compensation at op°C with illumination     i.e.00 °U     j.e.00 °C       Performance Data Climate      j.e.00 °C       Performance Data Climate     j.e.00 °C     j.e.00 °C       Temperature range with hunifoly and without illumination     j.e.00 °C     j.e.00 °C       Temperature range with hunifoly and without illumination     j.e.00 °C     j.e.00 °C       Temperature range with hunifoly and without illumination     j.e.00 °C     j.e.00 °C       Temperature range with hunifoly and without illumination     j.e.00 °C     j.e.00 °C       Temperature range with hunifoly and without illumination     j.e.00 °C     j.e.00 °C       Imperature range with hunifoly and without illumination     j.e.00 °C     j.e.00 °C       Imperature range with hunifoly and yithout illumination     j.e.00 °C     j.e.00 °C       Immediation for plot of yashith     immin and an af zer dat dots     j.e.00 °C       Recovery tim after door was operation graph of yashithillumination af zer dat dots     j.g.00 °C <td>Option model</td> <td>Standard</td> <td>Standard</td>	Option model	Standard	Standard
Temperature range without illumination cassettes     o70 °C     o70 °C       Temperature range without illumination     io60 °C     io60 °C       Max. heat compensation at 40°C with illumination     io00 W     ioco W       Performance Data Climate     io70 °C     ioo70 °C       Temperature range with hundidly and without illumination     ioo.70 °C     ioo70 °C       Temperature range with hundidly and without illumination     ioo.70 °C     ioo70 °C       Temperature range with hundidly and without illumination     ioo.70 °C     ioo70 °C       Temperature range with hundidly and without illumination     ioo.70 °C     ioo70 °C       Temperature range with hundidly and without illumination     ioo.70 °C     ioo70 °C       Temperature functuation with illumination at 25 °C and 60 °K PI     ioo.60 °C     ioo60 °C       Hanidity fluctuation with illumination at 25 °C and 60 °K PI     ioo.80 °C     ioo.80 °C       Recovery time after cloor was opered for so swith     ionin     ininination at 25 °C and 60 °K PI       Recovery time after cloor was opered for so swith     ioo20 °C     ioo20 °C       Deficient Illumination for prioto stability resting     ioo20 °C     ioo20 °C       Recovery tim	Performance Data Temperature		
Temperature range with 100% illumination1060 °C100.60 °CMax. heat compensation at 40°C with illumination10.00 W1000 WPerformance Data ClinateTemperature range with humidity and without illumination1070 °C0070 °CTemperature range with humidity and tooks illumination2060 °C0070 °CTemperature range with humidity and tooks illumination2060 °C0.2 * KImperature range with humidity and tooks illumination2060 °C0.2 * KImperature range with humidity and tooks illumination2 * K0.2 * KImperature fluctuation with illumination at 25°C and 60°S RH2 * KBH2 * KBHRecovery time after door was opened for 30 s with Illumination at 25°C and 60°S RH3 min3 minRecovery time after door was opened for 30 s with Illumination at 26°C and 75°S RH5 min5 minDeficitat per Illumination Caseettes5 min5 min5 minEdicata dof5 min5 min5 min5 minEdicata dot5 min5 min5 minEdicata dot5 min <td>Temperature range</td> <td>070 °C</td> <td>o70 °C</td>	Temperature range	070 °C	o70 °C
Max. heat compensation at .qo <sup>C</sup> With illumination   1.000 W     Performance Data Climate     Temperature range with humidity and without illumination   20.40 °C     Temperature range with humidity and sole illumination   20.60 °C     Temperature fluctuation with illumination at 25°C and 60%   22 FR     Humidity fluctuation with illumination at 25°C and 60%   25 FRI     Visit af and obers solution at 25°C and 60% RFI   25 FRI     Humidity fluctuation with illumination at 25°C and 60% RFI   25 FRI     Recovery time after door was append for 30 s with illumination at 25°C and 60% RFI   3 min     Recovery time after door was append for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 25°C and 60% RFI   5 min     Recovery time after door was oppend for 30 s with illumination at 26°C and	Temperature range without illumination cassettes	o70 °C	o70 °C
Performance Dia Climate     Imperature range with humidity and without illumination   ina70 °C   ina70 °C     Temperature range with humidity and sof% illumination   2060 °C   2060 °C     Temperature function with illumination at 25°C and 60% III   a.2 ± K   o.2 ± K     Recovery time after door was opened for 30 % With   3 % RH   2 % RH     Recovery time after door was opened for 30 % With   4 min   4 min     Recovery time after door was opened for 30 % With   5 min   5 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Editoration tor photo stability testing   9 moo k   9 min     Recovery time after door was opened for 30 % With   9 min   9 min     Recovery time after door was o	Temperature range with 100% illumination	1060 °C	1060 °C
Importation range with humidity and without illumination costetiesio	Max. heat compensation at 40°C with illumination	1,000 W	1,000 W
cassettes1076 °L1076 °LTemperature range with humidity and 30% illumination2066 °C2060 °CTemperature fluctuation with illumination at 25°C and 66% RH2% RH2% RHHumidity fluctuation with illumination at 25°C and 66% RH2% RH2% RHRecovery time after door was opened for 30 s with illumination at 25°C and 66% RH3 min3 minRecovery time after door was opened for 30 s with illumination at 25°C and 66% RH5 min5 minRecovery time after door was opened for 30 s with illumination at 40°C and 75% RH5 min5 minRecovery time after door was opened for 30 s with illumination at 40°C and 75% RH5 min5 minRecovery time after door was opened for 30 s with illumination at 40°C and 75% RH5 min5 minRecovery time after door was opened for 30 s with illumination at 40°C and 75% RH5 min5 minRecovery time after door was opened for 30 s with illumination for photo stability testing5 ooo k900 kCharten Tumination for photo stability testing0 ooo k900 k900 kCharten Tumination for photo stability testing100 min200230 V200240 VPower frequency50/60 Hz50/60 Hz100 minNominal power51 kW35 kW35 kWInit fuse6.0 A16.0 A100 minPower frequency10.0 A10.0 A10.0 APower frequency10.0 A10.0 A10.0 APower frequency10.0 A10.0 A10.0 APower frequency10.0 A <td>Performance Data Climate</td> <td></td> <td></td>	Performance Data Climate		
Temperature fluctuation with illumination at 25°C and 66% RI0.2 ± K0.2 ± KHumidity fluctuation with illumination at 25°C and 66% RI2 % RI2 % RIRecovery time after door was opened for 30 s with illumination at 25°C and 66% RI4 min4 minRecovery time after door was opened for 30 s with illumination at 25°C and 66% RI5 min5 minRecovery time after door was opened for 30 s with illumination at 25°C and 66% RI5 min5 minRecovery time after door was opened for 30 s with 		1070 °C	1070 °C
RH 0.2 ± K 0.2 ± K   Hunidly fuctuation with illumination at 25°C and 60% RH 2 % RH 2 % RH   Recovery time after door was opened for 30 s with illumination at 25°C and 60% RH 4 min 4 min   Recovery time after door was opened for 30 s with illumination at 25°C and 60% RH 5 min 5 min   Recovery time after door was opened for 30 s with illumination at 26°C and 75% RH 5 min 5 min   Lghdata per Illumination Cassettes 5 min 5 min   Lft compliant illumination for photo stability testing 9000 k 9000 k   Efectrical data 1,5 W/m² 2 00240 V   Rover frequency 50/60 Hz 200240 V   Power frequency 50/60 Hz 200240 V   Init fuse 16.0 A 3,5 kW   Init fuse 16.0 A 4.0 A   Init fuse 10.0 A 1.0 A   Init fuse 10.0 A 1.0 A	Temperature range with humidity and 100% illumination	2060 °C	2060 °C
Recovery time after door was opened for 30 s with illumination at 25°C and 60% RH   4 min     Recovery time after door was opened for 30 s with illumination at 25°C and 50% RH   5 min     Recovery time after door was opened for 30 s with illumination at 26°C and 75% RH   5 min     Lightdata per lilumination Cassettes   5 min     Lightdata per lilumination for photo stability testing   9000 k     ICH compliant illumination for photo stability testing   9000 k     Lightdata per lilumination for photo stability testing   9000 k     Reterict data   1,5 W/m²     Reterict data   200230 V     Power frequency   50/60 Hz     Nominal power   3,5 kW     Quint fuse   16.0 A     Infuse   16.0 A     Infuse   16.0 A     Infuse   1000 k     Infuse   1000 k     Infuse   1000 k		0.2 ± K	0.2 ± K
Illumination at 25°C and 60% RH 4 min 4 min 4 min   Recovery time after door was opened for 30 s with illumination at 26°C and 75% RH 5 min 5 min   Ughtdata per Illumination Cassettes 5 5   ICH compliant illumination for photo stability testing 9000 k 9000 k   ICH compliant illumination for photo stability testing 1,5 W/m² 1,5 W/m²   Electrical data 1,5 W/m² 200240 V   Power frequency 50/60 Hz 200240 V   Nominal power 3,5 kW 35 kW   Unit fuse 16.0 A 16.0 A   Phase (Nominal voltage) 1- 1-   Interior volume 700 L 700 L	Humidity fluctuation with illumination at 25°C and 60% RH	2 % RH	2 % RH
Illumination at 40°C and 75% RH Smn Smn   Lightdata per Illumination Cassettes 9000 k 9000 k   ICH compliant illumination for photo stability testing 9000 k 9000 k   Electrical data 200230 V 200240 V   Power frequency 50/60 Hz 50/60 Hz   Nominal power 3,5 kW 3,5 kW   Phase (Nominal voltage) 1~ 1~   Interior volume 700 L 700 L		4 min	4 min
ICH compliant illumination for photo stability testing   9000 k     ICH compliant illumination for photo stability testing   1,5 W/m²     IEtertrical data   200230 V     Rated Voltage   200230 V     Power frequency   50/60 Hz     Nominal power   3,5 kW     16,0 A   16,0 A     Phase (Nominal voltage)   1-     Interior volume   700 L		5 min	5 min
ICH compliant illumination for photo stability testing   1,5 W/m²     Electrical data     Rated Voltage   200230 V     Power frequency   50/60 Hz     Nominal power   3,5 kW     1,6 0 A   3,5 kW     Phase (Nominal voltage)   1~     Interior volume   700 L	Lightdata per Illumination Cassettes		
Electrical data     Rated Voltage   200230 V   200240 V     Power frequency   50/60 Hz   50/60 Hz     Nominal power   3,5 kW   3,5 kW     Unit fuse   16,0 A   16,0 A     Phase (Nominal voltage)   1~   1     Iterior volume   700 L   700 L	ICH compliant illumination for photo stability testing	9000 lx	9000 lx
Rated Voltage   200230 V   200240 V     Power frequency   50/60 Hz   50/60 Hz     Nominal power   3,5 kW   3,5 kW     Luit fuse   16,0 A   16,0 A     Phase (Nominal voltage)   1~   1~     Interior volume   700 L   700 L	ICH compliant illumination for photo stability testing	1,5 W/m²	1,5 W/m²
Power frequency50/60 Hz50/60 HzNominal power3,5 kW3,5 kWUnit fuse16,0 A16,0 APhase (Nominal voltage)1~1~Dimensions and weights700 L700 L	Electrical data		
Nominal power3,5 kW3,5 kWUnit fuse16,0 A16,0 APhase (Nominal voltage)1~1~Dimensions and weights700 L700 L	Rated Voltage	200230 V	200240 V
Unit fuse16,0 A16,0 APhase (Nominal voltage)1~1~Dimensions and weights700 L700 L	Power frequency	50/60 Hz	50/60 Hz
Phase (Nominal voltage) 1~   Dimensions and weights    Interior volume 700 L	Nominal power	3,5 kW	3,5 kW
Dimensions and weights   Interior volume 700 L	Unit fuse	16,0 A	16,0 A
Interior volume 700 L 700 L	Phase (Nominal voltage)	1~	1~
	Dimensions and weights		
Net weight of the unit (empty) 374 kg 374 kg	Interior volume	700 L	700 L
	Net weight of the unit (empty)	374 kg	374 kg

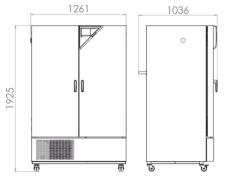
Data sheet Model KBF P 720



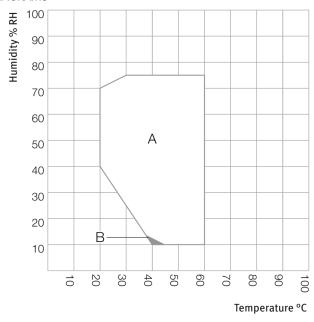
Load per rack	45 kg	45 kg
Permitted load	150 kg	150 kg
Wall clearance back	100 mm	100 mm
Wall clearance sidewise	200 mm	200 mm
Housing dimensions not incl. fittings and connections		
Width net	1,250 mm	1,250 mm
Height net	1,925 mm	1,925 mm
Depth net	890 mm	890 mm
Internal Dimensions		
Interior width	973 mm	973 mm
Interior height	1,250 mm	1,250 mm
Interior depth	576 mm	576 mm
Inner doors	2	2
Unit doors	2	2
Environment-specific data		
Sound-pressure level	53 dB(A)	53 dB(A)
Energy consumption at 40°C and 75% RH	1,850 Wh/h	1,850 Wh/h
Fixtures		
Number of shelves (std./max.)	3/12	3/12
Number of illumination cassettes (std./max.)	3/3	3/3

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]



# DIAGRAMS



A: Guaranteed condensation-free range

B: Deviations of technical data may be possible

Climate chart

# OPTIONS

Designation	Description	KBF P 720	*	ArtNo.
	left			
	30 mm	•	01	8012-1444
	50 mm	•	01	8012-1474
	100 mm	•	01	8012-1341
	right			
ccess port with silicone plug	30 mm	•	01	8012-1438
ccess port with shicone plug	50 mm	•	01	8012-1468
	100 mm	•	01	8012-1338
	top			
	30 mm	•	01	8012-1450
	50 mm	•	01	8012-1456
	100 mm	•	01	8012-1462
arm 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	•	-	8012-1762
nalog output 4-20 mA	for temperature and humidity values (output not adjustable)	•		8012-1738

BINDER data sheet | Version dated: 24-10-30 We reserve the right to alter technical specifications at any time.

Data sheet	Model	KBF P	720
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Designation	Description	KBF P 720	*	ArtNo.
Calibration certificate, expanded	for temperature and humidity; for extending the measurement in center of chamber to include another test value	•	-	8012-1190
	temperature measurement incl. certificate, 9 measuring points at specified temperature	•	-	8012-1564
Calibration certificate, temperature	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	•	-	8012-1585
	temperature measurement incl. certificate and 27 measuring points at specified temperature	•	-	8012-1605
	Measurement in center of chamber at 25°C / 60% RH or at specified test values	•		8012-1184
Calibration certificate, temperature and humidity	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	•	-	8012-1611
Class 3.3 independent temperature safety device	with visual alarm (DIN 12880)	•	-	8012-1754
Door lock	lockable door handle	•	-	8012-1662
Light photometry	including certificate, illumination and irradiance for visible light, 25 measuring points on 3 measurement levels, as well as spectral distribution (385 – 785 nm)	•	-	8012-1546
Pt 100 temperature sensor	additional flexible Pt 100, interior, for displaying the temperature on the unit display	•	-	8012-1747
RS 485 interface, 2-wire	Additional serial interface can be used parallel to Ethernet, for Multi Management Software APT-COM™	•		8012-1743
Shelf, reinforced	positioned at bottom level, max. load 45 kg, with additional attachment for operation of shaking device, stirring device or roller bottle system	•	-	8012-1491

# ACCESSORIES

Designation	Description	KBF P 720	*	ArtNo.
	for simple logging and documentation requirements with up to 5 networked units.			
APT-COM™ 4 BASIC-Edition	version 4, BASIC edition	•	_	9053-0039
APT-COM™ 4 GLP-Edition	for working under GLP-compliant conditions. Measured values are documented in a tamper- proof way in line with the requirements of FDA Regulation 21 CFR 11.			
	version 4, GLP edition	•	_	9053-0042
APT-COM™ 4 PROFESSIONAL-	convenient unit and user management built on the BASIC edition. Suitable for networking up to 100 units.			
Edition	version 4, PROFESSIONAL edition	•	_	9053-0040
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	•	-	8012-0759
BINDER PURE AQUA SERVICE, accessories	Single-use, replacement cartridge for BINDER PURE AQUA System	•	-	6011-0165



Data sheet Model KBF P 720

#### BINDER Best conditions for your success

Designation	Description	KBF P 720	*	ArtNo.
	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, humidity, and light values			
	Digital in PDF format	•	-	7057-0007
Qualification documents	Hard copy inside folder	•	-	7007-0007
	IQ/OQ documents – supporting documents for validation performed by customers, consisting of: IQ/OQ checklists incl. calibration guide and comprehensive unit documentation; parameters: temperature, humidity, and light values			
	Digital in PDF format	•	-	7057-0003
	Hard copy inside folder	•	-	7007-0003
	RS 422 cable set and RS 485 / RS 422 interface converter for connection to 10-way plug distributor			
RS 485 / RS 422 interface converter	115 V option model	•	-	8012-0599
	230 V option model	•	-	8012-0589
Rack	stainless steel	•	-	8012-2051
Rack, reinforced	stainless steel, with fasteners (1 set of 4)	•	-	8012-0674
Rack accessories	fasteners (1 set of 4) for additional security of racks	•	-	8012-2280
Shelf, perforated	Stainless steel	•	-	8012-2252
	consisting of fresh- and waste-water containers (20 liters each), cabling and pump			
Nater supply set	external, for hanging from the back of the device	•	-	8012-0643
	external, free-standing	•	-	8012-1846
H-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	•	-	8012-2250

# SERVICES

Designation	Description	*	ArtNo.
Calibration services			
Light photometry	including certificate, 25 measuring points on 3 measurement levels, intensity measurements for visible light and UVA, as well as spectral distribution (qualitative spectral measurements 250 – 785 nm)	-	DL30-0525
Temperature and humidity calibration	Expansion –Temperature and humidity calibration with 1 measuring point in center of chamber with 1 specified pair of values, including certificate	-	DL30-0302
	Temperature and humidity calibration with 1 measuring point in center of chamber with 1 specified pair of values, including certificate	-	DL30-0301
Temperature and humidity measurement, 9-1 measuring points	Temperature measurement with 9 temperature measuring points and 1 humidity measuring point in center of chamber with a pair of values specified by the user, including certificate	_	DL30-0309

Data sheet Model KBF P 720

#### BINDER Best conditions for your success

Designation	Description	*	ArtNo.
Temperature and humidity measurement, 18-1 measuring points	Temperature measurement with 18 temperature measuring points and 1 humidity measuring point in center of chamber with a pair of values specified by the user, including certificate	-	DL30-0318
Temperature and humidity measurement, 27-1 measuring points	Temperature measurement with 27 temperature measuring points and 1 humidity measuring point in center of chamber with a pair of values specified by the user, including certificate	-	DL30-0327
Temperature and humidity measurement according to DIN12880	Temperature measurement in accordance with DIN 12880 with 27 temperature measuring points and 1 humidity measuring point in center of chamber with a pair of values specified by the user, including certificate	-	DL30-0427
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)	-	DL10-0300
Unit instructions	Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming	_	DL10-0700
Maintenance contracts			
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 temperature/humidity/pressure value, including certificate	_	DL20-0930
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	_	DL20-0820
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	-	DL20-0400
Validation services			
Execution of IQ/OQ/PQ	Execution of $IQ/OQ/PQ$ in accordance with qualification folder	_	DL44-0500
Execution of IQ/OQ incl. light photometry	Execution of IQ/OQ including light photometry in accordance with qualification folder	-	DL43-0400
Warranty service			
1-year warranty extension	The warranty is extended by 1 year from the delivery date, wear parts are excluded		DL50-0030

# NOTES

01 Condensation may occur in the area around the access port. Access ports may be placed in custom locations for an additional charge.

# **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

# 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