

# Model M 56 | Drying and heating chambers with forced convection and advanced program functions

With a maximum of +300 °C and various programming options the M series material test chambers are ideal for material and aging tests. With a high air flow, the powerful fans ensure rapid heating.

#### **BENEFITS**

- Uniform drying conditions thanks to APT.line™ technology
- Identical test conditions throughout the chamber interior independent of sample size and quantity
- Outstanding thermal insulation saves operation costs
- Advanced programming options





Model 56

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#### **IMPORTANT FEATURES**

- Temperature range: +23°C above ambient temperature to +300°C
- High temperature accuracy thanks to APT.line™ technology with increased heating output
- Reinforced fan with adjustable speed
- Electromechanical control of the exhaust air flap
- Intuitive touchscreen controller with time-segment and real-time programming Internal data logger, measured values can be read out in open format via USB
- 2 chrome-plated racks

- Class 2 independent adjustable temperature safety device (DIN 12880) and class 3.1 independent temperature safety device (DIN 12880) with visual/ acoustic alarm available for selection on the controller
- Failsafe function backup sensor Pt 100
- Computer interface: Ethernet

#### ORDERING INFORMATION

Interior volume		Power supply - unit fuse	Plug*	Version	Model version	ArtNo.
[L]	[L]					
Model M 56						
59	59	230 V 1~ 50/60 Hz -10,0 A	CEE 7/7	Standard	Mo56-230V	9010-0371



### **TECHNICAL DATA**

ticle Number 9010-0371  bein model Standard  stromance Data Temperature  superature unifornity at 150°C 1.4 ± K  standard 1.5 °C 0.2 ± K  standard 1.5 °C 0.2 ± K  standard 1.5 °C 0.2 ± K  standard 1.5 °C 0.5 ± K  standard 1.	TECHNICAL DATA	
sticle Number 9010-0371  Standard  Standard  stromance Data Temperature  superature range +23 °C above ambient temperature to 300 °C  superature fluctuation at 150°C 1.4 ± K  superature fluctuation at 150°C 9 min  scovery time after door was opened for 30 s at 150°C 4 min  richange data  richange rate at 100°C 175 x/h  sectrical data  steed Voltage 230 V  swer frequency 50/60 Hz  summal power 2 kW	Data	
Standard  serformance Data Temperature  serformance Data Temperature to 300 °C  1.4 ± K  serformance fluctuation at 150°C  9 min  serformance data  serformance Data Temperature to 300 °C  4 min  serformance Data Temperature to 300 °C  4 min  serformance Data Temperature to 300 °C  9 min  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature  9 min  serformance Data Temperature  1.5 × K  1.75 × /h  serformance Data Temperature  1.6 ± K  2.5 × M  serformance Data Temperature  1.75 × /h  serformance Data Temperature  1.75 × /h  serformance Data Temperature  1.75 × /h  serformance Data Temperature to 300 °C  1.4 ± K  2.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature to 300 °C  1.4 ± K  9 min  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.4 ± K  1.4 ± K  1.5 × M  serformance Data Temperature to 300 °C  1.5 × M  serformance Data Temperature to 300 °C  1.6 ± K  serformance Data Temperature to 300 °C  1.7 ± K  serformance Data Temperature to 300 °C  1.7 ± K  serforma	Designation	Mo56-230V
reformance Data Temperature  reperature range  +23 °C above ambient temperature to 300 °C  reperature uniformity at 150°C  1.4 ± K  reperature fluctuation at 150°C  9 min  rechange data  rechange data  rechange rate at 100°C  175 x/h  rectrical data  steed Voltage  230 V  requency  50/60 Hz  requency  2 kW	Article Number	9010-0371
### ##################################	Option model	Standard
remperature uniformity at 150°C  1.4 ± K  1.4 ± K  1.2 ± K  1.4 ± K  1.4 ± K  1.4 ± K  1.4 ± K  1.5 × K  1.5 × K  1.5 × K  1.6 × K  1.75	Performance Data Temperature	
eating up time to 150°C  genting up time to 150°C  4 min  r change data  r change rate at 100°C  175 x/h  ectrical data  steed Voltage  230 V  sominal power  2 kW	Temperature range	+23 °C above ambient temperature to 300 °C
eating up time to 150°C 9 min  ecovery time after door was opened for 30 s at 150°C 4 min  r change data r change rate at 100°C 175 x/h  ectrical data  etted Voltage 230 V  ower frequency 50/60 Hz  cominal power 2 kW	Temperature uniformity at 150°C	1.4 ± K
ecovery time after door was opened for 30 s at 150°C 4 min  r change data  r change rate at 100°C 175 x/h  ectrical data  sted Voltage 230 V  ower frequency 50/60 Hz  cominal power 2 kW	Temperature fluctuation at 150°C	0.2 ± K
r change data  r change rate at 100°C  175 x/h  ectrical data  sted Voltage  230 V  ower frequency  50/60 Hz  2 kW	Heating up time to 150°C	9 min
r change rate at 100°C  ectrical data  sted Voltage  230 V  ower frequency  50/60 Hz  2 kW	Recovery time after door was opened for 30 s at 150°C	4 min
ectrical data  sted Voltage 230 V  ower frequency 50/60 Hz  ominal power 2 kW	Air change data	
exted Voltage 230 V  ower frequency 50/60 Hz  ominal power 2 kW	Air change rate at 100°C	175 x/h
ower frequency 50/60 Hz ominal power 2 kW	Electrical data	
ominal power 2 kW	Rated Voltage	230 V
	Power frequency	50/60 Hz
nit fuse 10,0 A	Nominal power	2 kW
	Unit fuse	10,0 Å
nase (Nominal voltage) 1~	Phase (Nominal voltage)	1~
mensions and weights	Dimensions and weights	
terior volume 59 L	Interior volume	59 L
et weight of the unit (empty) 43 kg	Net weight of the unit (empty)	43 kg
oad per rack 30 kg	Load per rack	30 kg
ermitted load 70 kg	Permitted load	70 kg
all clearance back 160 mm	Wall clearance back	160 mm
all clearance sidewise 100 mm	Wall clearance sidewise	100 mm
ousing dimensions not incl. fittings and connections		
idth net 560 mm	Width net	560 mm
eight net 622 mm	Height net	622 mm
epth net 596 mm	Depth net	596 mm
ternal Dimensions	Internal Dimensions	



Interior width	400 mm
Interior height	440 mm
Interior depth	335 mm
Unit doors	1
Environment-specific data	
Sound-pressure level	46 dB(A)
Energy consumption at 100°C	210 Wh/h
Energy consumption at 150°C	330 Wh/h
Fixtures	
Number of shelves (std./max.)	2/4

All technical data is specified for unloaded units with standard equipment at an ambient temperature of  $\pm 20^{\circ}$  C  $\pm 3^{\circ}$ C and a power supply voltage fluctuation of  $\pm 10^{\circ}$  %. 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]





### **OPTIONS**

Designation	Description	*	ArtNo.
	left		
	10 mm	01	8012-2296
	30 mm	01	8012-2302
	50 mm	01	8012-2305
Access port with silicone plug	right		
Access port with silicone plug	10 mm	01	8012-2298
	30 mm	01	8012-2304
	50 mm	01	8012-2307
	top		
	10 mm	01	8012-2297



Designation	Description	*	ArtNo.
	30 mm	01	8012-2303
	50 mm	01	8012-2306
	100 mm	01	8012-2300
Analog output 4-20 mA	for temperature values (output not adjustable)	02	8012-2295
Calibration certificate, expanded	for temperature; for extending the measurement in center of chamber to include another test temperature	-	8012-2328
	for temperature, measurement in center of chamber at specified temperature	-	8012-2324
Calibration certificate,	temperature measurement incl. certificate, 9 measuring points at specified temperature	-	8012-2327
temperature	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	-	8012-2325
	temperature measurement incl. certificate and 27 measuring points at specified temperature	-	8012-2326
Door gasket	made of FKM, silicone-free	-	8012-2331
Door lock	lockable door handle	-	8012-2335
Gas-tight option model	Incl. additional measures for the greatest possible impermeability to gas; not in conjunction with access port or interior lighting option	-	8012-2308
HEPA air filter	On fresh air supply for unit; filter classification H14 (acc. to. EN 1822-1:2009, > 99.995% at 0.3 µm); not in conjunction with reinforced heating output, reinforced fan	-	8012-2311
lnert gas connection	With gas inlet and outlet, $\emptyset$ 10 mm, incl. additional measures for the greatest possible impermeability to gas; not in conjunction with access port or interior lighting option	-	8012-2315
Inner chamber, reinforced	max. total load 85 kg	-	8012-2320
Interior lighting	with 27 W light bulb		
incerior agricing	230/240 V option model	-	8012-2318
Measurement of air exchange rate	in accordance with ASTM D5374, definition and protocol according to ambient temperature	-	8012-2329
Pt 100 temperature sensor	additional flexible Pt 100, interior, for displaying the temperature on the unit display	-	8012-2330
Specimen temperature control	With additional specimen temperature sensor. Standard function 2 zero-voltage relay contacts not applicable.	-	8012-2343

## **ACCESSORIES**

Designation	Description	*	ArtNo.
	convenient unit and user management built on the BASIC edition. Suitable for networking up to 100 units.		
APT-COM™ 4	version 4, PROFESSIONAL edition	-	9053-0040

for simple logging and documentation requirements with up to 5 networked units.



Designation	Description	*	ArtNo.
	version 4, BASIC edition	-	9053-0039
	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
H-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	-	8012-2250
	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, ${\rm CO_2}$ , ${\rm O_2}$ – or pressure, depending on unit		
	Digital in PDF format		7057-0005
	Hard copy inside folder		7007-0005
Qualification documents	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
	max. load per rack 30 kg		
Rack	chrome plated		8012-2038
	stainless steel	-	8012-2085
Rubber pads	set anti-slip feet	-	8012-2030
half parfarated	max. load per rack 30 kg		
helf, perforated	Stainless steel	-	8012-2175
able on castors	stable cart, casters with locking brakes, dimensions: W 1,000 x D 800 x H 780 mm	-	9051-0018

### **SERVICES**

Designation	Description	*	ArtNo.
Calibration services			
Measurement of air exchange rate	including certificate (in accordance with ASTM D5374)	_	DL33-0000
	Calibration of one (1) test temperature specified by the user in center of chamber, including certificate Travel to be quoted separate.	-	DL30-0120
Temperature calibration	Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate Travel to be quoted separate.	-	DL30-0102
Temperature measurement, 9 measuring points	Temperature measurement with 9 measuring points with a set value specified by the user, including certificate. Travel to be quoted separate. A total of 3 shelves are required.	-	DL30-0109



Temperature measurement, 18 measuring points the user, including certificate. Travel to be quoted separate. A total of 2 shelves — DL30-0118 are required.  Temperature measurement, 27 measuring points the user, including certificate. Travel to be quoted separate. A total of 3 shelves — DL30-0127 are required.  Temperature measurement, 27 measuring points the user, including certificate. Travel to be quoted separate. A total of 3 shelves — DL30-0127 are required.  Installation services  Unit including medical forms the user in the user including certificate. Travel to be quoted separate. A total of 3 shelves — DL40-0100 are required.  Installation services  Unit including medical forms the user in the user in the user including controlled instructions, feet to unperstance, on the user, or the user in the user in the user including programming, including certificate, or the user includes separate — DL40-0100 asseption includes programming. Travel to be quoted as separate — DL40-0100 asseption includes programming. Travel to be quoted as separate.  Maintenance services  Maintenance services  Maintenance contract — Annual Device Inspection includes Preventive Maintenance with Calibration certificate. Including a separate includes Preventive Maintenance with Calibration Certificate. Including a separate includes Preventive Maintenance with Calibration Certificate. Including a separate.  Maintenance contract — Annual Device Inspection includes Preventive Maintenance with Calibration Certificate of Inspection Includes Preventive Maintenance with Calibration Certificate in Preventive Maintenance with Calibration Certificate in Preventive Maintenance with Calibration Certificate Preventive Maintenance with Calibration Certificate Preventive Maintenance with Calibration Certificate Preventive Mainten	Designation	Description	*	ArtNo.
Temperature measurement, 27 measuring points the user, including certificate. Travel to be quoted separate. A total of 3 delives	Temperature measurement, 18 measuring points	the user, including certificate. Travel to be quoted separate. A total of 2 shelves	-	DL30-0118
Connect the unit to the customer-side connections (electricity, water, wastewater, gas), basic functions check, tirel operating instructions (electricity, seet, unpocking, setup, controller instructions pergramming, installation work) travel to be quoted as separate.  Unit instructions  Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming. Travel to be quoted as separate Limited to 3 hours.  Maintenance services  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate to Science of Wiler + tear parts to be purchased or billed to customer. Travel to be quoted as separate under the visit or operator. Wear + tear parts to be purchased or billed to customer. Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate of Temperature 25% Discount on Spare Parts and Labor for any additional Services needed Wear + tear parts to be purchased or billed to customer. Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate of Temperature 25% Discount on Spare Parts and labor for any additional Services needed. One additional curters visit per year can be used for service with the preventive was additional Services needed. One additional course visit per year can be used for service visit or operator certificate. Wear + tear parts for be purchased or billed to customer. Travel to be quoted as separate.  Preventive maintenance  Certificate sys Biscount on Spare Parts and Labor for any additional Service seeded one additional courses with purchased or billed to customer. Travel to be quoted separate.  SILVER 3-year maintenance contract  Annual Device Inspection Includes Preventive Maintenance with Calibration.  Certificate sys Biscount on Spare Parts and Labor for any additional Service seeded one additional courses year to be used for service visit or operator training. Wear + tear parts to be p	Temperature measurement, 27 measuring points	the user, including certificate. Travel to be quoted separate. A total of 3 shelves	-	DL30-0127
Unit installation controller instructions, programming, installation work) Travel to be quoted as separate.  Unit instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming. Travel to be quoted as separate.  Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming. Travel to be quoted as separate.  **Province**  **Maintenance services**  **Maintenance services**  **Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate 1,05% Discount on Spare Parts and Labor for any additional Services needed Wear + tear parts to be purchased or billed to customer. Travel to be quoted as separate.  **Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate of Temperature. 25% Discount on Spare Parts and Labor for any additional Services needed. One additional courtery visit prevent and tuse of the service visit or operator. Wear + tear parts to be purchased or billed to customer. Travel to be customer. Travel to be quoted separate.  **One-off maintenance service in accordance with maintenance schedule. Visual inspection of mechanical and electrical components, testing of all key functions. Checking a test temperature specified by the user in center of usable space.  **SiLVER 3-year maintenance contract**  **Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate systosic Inspection Includes Preventive Maintenance with Calibration Services needed One additional courtery visit per year can be used for service visit or operator. Travel to be quoted as separate.  ***SiLVER 3-year maintenance contract**  **DiL20-0810  **	Installation services			
Unit instructions  of the control electronics including programming. Travel to be quoted as separate Limited to 3 hours.  Maintenance services  BRONZE 3-year maintenance contract  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate soft Discount on Spare Parts and Labor for any additional Services needed Wear + tear parts to be purchased or billed to customer. Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate of Temperature. 25% Discount on Spare Parts and Labor for any additional Services needed. One additional courtesy visit per year can be used for service visit or operator. Wear + tear parts to be purchased or billed to customer. Travel to be quoted separate.  One-off maintenance service in accordance with maintenance schedule. Visual inspection of mechanical and electrical components, testing of all key functions. Checking a test temperature specified by the user in center of usable space without certificate 15% Discount on Spare Parts and Labor for any additional Services  Annual Device inspection Includes Preventive Maintenance with Calibration Certificate 15% Discount on Spare Parts and Labor for any additional Services  Figure 15% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any additional Services  Figure 25% Discount on Spare Parts and Labor for any ad	Unit installation	gas), basic functions check, brief operating instructions. (excl.: unpacking, setup, controller instructions, programming, installation work) Travel to be quoted as	-	DL10-0100
Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate 1:0% Discount on Spare Parts and Labor for any additional Services needed Wear + tear parts to be purchased or billed to customer. Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate of Temperature. 25% Discount on Spare Parts and Labor for any additional Services needed. One additional courtesy visit per year can be used for sorting additional Services needed. One additional courtesy visit per year can be used for sorting additional Services needed. One additional courtesy visit per year can be used for sorting additional Services needed. One additional courtesy visit per year can be used for sorting additional Services needed. One additional courtesy visit per year can be used for sorting the space of the part of the	Unit instructions	of the control electronics including programming. Travel to be quoted as separate	-	DL10-0500
BRONZE 3-year maintenance contract  Certificate 10% Discount on Spare Parts and Labor for any additional Services needed Wear + tear parts to be purchased or billed to customer. Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate of Temperature. 25% Discount on Spare Parts and Labor for any additional Services needed. One additional courtesy visit per year can be used for service visit or operator. Wear + tear parts to be purchased or billed to customer.  Travel to be quoted separate.  One-off maintenance service in accordance with maintenance schedule. Visual inspection of mechanical and electrical components, testing of all key functions. Checking a test temperature specified by the user in center of usable space without certificate. Wear + tear parts need to be purchased or billed to customer.  Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate 15% Discount on Spare Parts and Labor for any additional Services needed One additional courtesy visit per year can be used for service visit or operator. Wear lear parts to be purchased or billed to customer. Travel to be quoted separate.  Validation services  Execution of IQ/OQ  Execution of IQ/OQ in accordance with qualification folder. Travel to be quoted separate.  DL20-0810  DL40-0900  Blate-0900  DL40-0900	Maintenance services			
Certificate of Temperature. 25% Discount on Spare Parts and Labor for any additional Services needed. One additional courtesy visit per year can be used for service visit or operator. Wear + tear parts to be purchased or billed to customer. Travel to be quoted separate.  Preventive maintenance  One-off maintenance service in accordance with maintenance schedule. Visual inspection of mechanical and electrical components, testing of all key functions. Checking a test temperature specified by the user in center of usable space without certificate. Wear + tear parts need to be purchased or billed to customer. Travel to be quoted as separate.  SILVER 3-year maintenance contract  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate 15% Discount on Spare Parts and Labor for any additional Services needed One additional courtesy visit per year can be used for service visit or operator training. Wear + tear parts to be purchased or billed to customer. Travel to be quoted separate.  Validation services  Execution of IQ/OQ  Execution of IQ/OQ in accordance with qualification folder. Travel to be quoted separate.  Execution of IQ/OQ/PQ  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.  DL44-0500  DL44-0500	BRONZE 3-year maintenance contract	Certificate. 10% Discount on Spare Parts and Labor for any additional Services needed Wear + tear parts to be purchased or billed to customer. Travel to be	-	DL20-0720
Preventive maintenance inspection of mechanical and electrical components, testing of all key functions. Checking a test temperature specified by the user in center of usable space without certificate. Wear + tear parts need to be purchased or billed to customer. Travel to be quoted as separate.  Annual Device Inspection Includes Preventive Maintenance with Calibration Certificate 15% Discount on Spare Parts and Labor for any additional Services needed One additional courtesy visit per year can be used for service visit or operator training. Wear + tear parts to be purchased or billed to customer. Travel to be quoted separate.  Execution of IQ/OQ  Execution of IQ/OQ in accordance with qualification folder. Travel to be quoted separate.  Execution of IQ/OQ/PQ  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.  Execution of IQ/OQ/PQ  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.	GOLD 3-year maintenance contract	Certificate of Temperature. 25% Discount on Spare Parts and Labor for any additional Services needed. One additional courtesy visit per year can be used for service visit or operator. Wear + tear parts to be purchased or billed to customer.	-	DL20-0910
SILVER 3-year maintenance contract  Certificate 15% Discount on Spare Parts and Labor for any additional Services needed One additional courtesy visit per year can be used for service visit or operator training. Wear + tear parts to be purchased or billed to customer. Travel to be quoted separate.  Validation services  Execution of IQ/OQ  Execution of IQ/OQ in accordance with qualification folder. Travel to be quoted separate.  Execution of IQ/OQ/PQ  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.  DL41-0200  Warranty service	Preventive maintenance	inspection of mechanical and electrical components, testing of all key functions. Checking a test temperature specified by the user in center of usable space without certificate. Wear + tear parts need to be purchased or billed to customer.	-	DL20-0602
Execution of IQ/OQ in accordance with qualification folder. Travel to be quoted separate.  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.  DL41-0200  DL44-0500  Warranty service	SILVER 3-year maintenance contract	Certificate 15% Discount on Spare Parts and Labor for any additional Services needed One additional courtesy visit per year can be used for service visit or operator training. Wear + tear parts to be purchased or billed to customer. Travel	-	DL20-0810
Execution of IQ/OQ/PQ  Execution of IQ/OQ/PQ in accordance with qualification folder. Travel to be quoted separate.  DL41-0200  DL44-0500  Warranty service	Validation services			
Separate. – DL44-0500  Warranty service	Execution of IQ/OQ		-	DL41-0200
	Execution of IQ/OQ/PQ		-	DL44-0500
1-year warranty extension  The warranty is extended by 1 year from the delivery date, wear parts are excluded  - DL50-0010	Warranty service			
	1-year warranty extension	The warranty is extended by 1 year from the delivery date, wear parts are excluded	-	DL50-0010



#### **NOTES**

- O1 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.

# **BINDER GmbH**

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