

Model VDL 56 | Vacuum drying chambers for flammable solvents

BINDER VDL series safety vacuum drying chambers ensure maximum safety when drying organic solvents. Explosion-protected unit with classification according to ATEX directive 2014/34/EU: EX II 2/3/-G IIB T3 Gb/Gc/- X.

BENEFITS

- · Fast, gentle drying
- Optimum heat transfer through large thermal conducting plates
- Safe working thanks to ATEX-compliant safety concept
- Also option of modular complete system with vacuum pump and pump chamber



Model 56

MAIN FEATURES

- Temperature range: +9 °C above ambient temperature to +110 °C
- Intuitive touchscreen controller with graphical pressure and temperature display
- Program-controlled drying monitoring with automatic ventilation at end of process
- Internal data logger, measured values can be read out in open format via
- Pressure control device for heating activated from < 100 mbar
- 2 aluminum expansion racks, can be custom-positioned
- Universal connection for ventilation with ambient air or inert gas
- Universal access port DN 16 for the introduction of external measuring devices
- Shatterproof, spring-mounted safety glass panel
- Large viewing window
- Computer interface: Ethernet

OPTIONAL EQUIPMENT

- Expansion racks Choice of aluminum or stainless steel racks depending on the application requirements
- Analogue output for temperature and pressure signals for external monitoring and evaluation of the process parameters, integration into inhouse systems is possible
- Universal ventilation Selection of different ventilation by air or inert gas
- Universal access port DN 40 for the introduction of external measuring devices
- Multi Management Software APT-COM Manage, record and document device parameters
- Services extensive services ensure correct device function

ORDERING INFORMATION

Interior volume [cu.ft.]	Voltage	Option model	Version	ArtNo.
1.9	200230 V 1~ 50/60 Hz	Standard	VDL056-230V	9630-0010
	100120 V 1~ 50/60 Hz	Standard	VDL056UL-120V	9630-0014



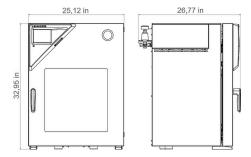
TECHNICAL DATA

Performance Data Temperature	Description	VDL056-230V1	VDLo56UL-120V ¹
Temperature range +9 °C above ambient temperature to °C 1:0 1:0 Temperature variation at 100 °C EK 1:2 1.2 Temperature fluctuation at 100 °C EK 0.1 0.1 Heating-up time fluctuation (EK) 140 140 Vacuum Data Leak rate (Bar/h) 0.01 Electrical data Rated Voltage [V] 200230 100120 Power fequency [th] 50/60 50/60 Nominal power [kW] 1.4 1.4 Unif fuse [A] 8 16 Phase (Rominal voltage) 1-2 1-2 Commettions 16 Wazum connection with small flange [DN mm] 16 16 Measures 1.9 1.9 Interior volume [cu.ft.] 1.9 1.9 1.9 Net weight of the unit fempty) [tbs] 2.29 2.29 Permitted load [tbs] 44 4 4 Viewing window keight [in] 16.55 16.55 <	Article Number	9630-0010	9630-0014
Temperature variation at 100 °C [n K] 1.2 1.2 Temperature fluctuation [n K] 0.1 0.1 Vaccium Data 140 140 Vaccium Data 140 140 Vaccium Data 0.01 150 Electrical data ************************************	Performance Data Temperature		
Temperature fluctuation [z K] 0.1 140 14	Temperature range +9 °C above ambient temperature to [°C]	110	110
Heating-up time to 100 °C [min]	Temperature variation at 100 °C [± K]	1.2	1.2
Leak rate Dar/h 0.01 0.01 0.01	Temperature fluctuation [± K]	0.1	0.1
Leak rate [bar/h] o.o.1 o.o.1 Electrical data	Heating-up time to 100 °C [min]	140	140
Electrical data Rated Voltage [V] 200m-230 100m-120 Power frequency [Hz] 50/60 50/60 Nominal power [kW] 1.4 1.4 Unit fuse [A] 8 6 Phase (Nominal voltage) 1- 1- Connections Vacuum connection with small flange [DN mm] 16 16 Weasuring access port with small flange [DN mm] 16 16 16 Universal connection for air / inert gas with flow limiter thread (RP*) 3/8 3/8 3/8 3/8 Measures Viewing wind (impty) [lbs] 19 10 <th< td=""><td>Vacuum Data</td><td></td><td></td></th<>	Vacuum Data		
Rated Voltage [V] 200—230 100—120 Power frequency [Hz] 50/60 50/60 Nominal power [kW] 1.4 1.4 Unif fuse [A] 16 16 Phase (Nominal voltage) 1~ 1~ Connections Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 19 Measuring access port with small flange [DN mm] 16 19 Measuring access port with small flange [DN mm] 19 19 Measures 11 19 19 Measures 12 19 19 Metwell for the unit (empty) [bis] 229 229 29 Wall clear ance back [bis] 3	Leak rate [bar/h]	0.01	0.01
Power frequency [Hz] 50/60 50/60 Nominal power [kW] 1.4 1.4 Unit Use [A] 8 16 Phase (Nominal voltage) 1- 1- Connections 1- Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Universal connection for air / inert gas with flow limiter thread (RP*) 3/8 3/8 3/8 Measures Interior volume [cu.H.] 1-9 1-9 Net weight of the unit (empty) [Ibs] 229 229 Permitted load [Ibs] 132 132 Load per rack [Ibs] 44 44 Viewing window width [in] 16.55 16.55 Wall clearance sidewise [in] 3.94 3.94 Wall clearance sidewise [in] 5.76 15.76 Internal Dimensions 15.76 15.76 Unit doors 1 1.5.76 Depth [[in] 13.51 13.51 Doors 1	Electrical data		
Nominal power [kW] 1.4 1.4 Unit fuse [A] 8 16 Phase (Rominal voltage) 1- 1- Connections Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Universal connection for air / inert gas with flow limiter thread (RP") 3/8 3/8 3/8 Measures Uniterior volume [cu.ft.] 1.9 1.9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Wall clearance back [in] 3.94 394 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions Width [in] 15.76 15.76 Unit doors 1 1.576 15.76 Depth [in] 13.51 13.51 13.51 Doors Unit doors 1 1 1 Unit doors	Rated Voltage [V]	200230	100120
Unit fuse [A] 8 16 Phase (Nominal voltage) 1~ 1~ Connections 16 Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Universal connection for air / Inert gas with flow limiter thread (RP") 3/8 3/8 3/8 Measures 1.9 1.9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance sidewise [in] 3.94 3.94 Wall clearance sidewise [in] 5.76 15.76 Withit [in] 15.76 15.76 Height [in] 15.76 15.76 Height [in] 15.76 15.76 Doors 15.76 15.76 Unit doors 1 25.14 Housing dimensions not incl. fitti	Power frequency [Hz]	50/60	50/60
Phase (Nominal voltage) 1- 1- Connections Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Universal connection for air / inert gas with flow limiter thread (RP') 3/8 3/8 3/8 Measures 1-9 1-9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance back [in] 15.76 15.76 Internal Dimensions 1 15.76 15.76 Width [in] 15.76 15.76 15.76 Depth [in] 15.76 15.76 15.76 Depth [in] 25.14 25.14 25.14 Height net [in] 25.14 25.14 25.14 Height net [in] 18.16 <td>Nominal power [kW]</td> <td>1.4</td> <td>1.4</td>	Nominal power [kW]	1.4	1.4
Connections Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Universal connection for air / inert gas with flow limiter thread (RP") 3/8 3/8 3/8 Measures Interior volume [cu.ft.] 1.9 1.9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2,76 2,76 Internal Dimensions Width [in] 15.76 15.76 Height [in] 15.76 15.76 Height [in] 13.51 13.51 Doors 1 1 Unit doors 1 1 1 Housing dimensions not incl. fittings and connections	Unit fuse [A]	8	16
Vacuum connection with small flange [DN mm] 16 16 Measuring access port with small flange [DN mm] 16 16 Universal connection for air / inert gas with flow limiter thread (RP") 3/8 3/8 3/8 Measures Interior volume [cu.ft.] 1.9 1.9 Net weight of the unit (empty) [ibs] 229 229 Permitted load [ibs] 132 132 Load per rack [ibs] 44 44 Viewing window width [in] 16-55 16-55 Viewing window height [in] 16-55 16-55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions Width [in] 15.76 15.76 Height [in] 15.76 15.76 Depth [in] 15.76 15.76 Depth [in] 25.14 25.14 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Phase (Nominal voltage)	1~	1~
Measuring access port with small flange [DN mm] 16 16 Universal connection for air / inert gas with flow limiter thread (RP") 3/8 3/8 3/8 Measures Interior volume [cu.ft.] 1.9 1.9 Net weight of the unit (emptly) [ibs] 229 229 Permitted load [ibs] 132 132 Load per rack [ibs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 3.94 3.94 Wall clearance back [in] 2.76 2.76 Internal Dimensions Width [in] 15.76 15.76 Height [in] 15.76 15.76 Doors Unit doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Connections		
Universal connection for air / inert gas with flow limiter thread (RP") 3/8 3/8 3/8 Measures Interior volume [cu.ft.] 1.9 1.9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions Internal Dimensions Width [in] 15.76 15.76 Height [in] 15.76 15.76 Dopth [in] 13.51 13.51 Doors Unit doors 1 1 Unit doors 1 1 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 32.11 Depth net [in] 18.16 18.16	Vacuum connection with small flange [DN mm]	16	16
Measures Interior volume [cu.ft.] 1.9 1.9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions 5.76 15.76 Width [in] 15.76 15.76 Height [in] 15.76 15.76 Doors 5.76 15.76 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data 18.16 18.16	Measuring access port with small flange [DN mm]	16	16
Interior volume [cu.ft.] 1.9 1.9 Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions 5.76 15.76 Width [in] 15.76 15.76 Height [in] 13.51 13.51 Doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Universal connection for air / inert gas with flow limiter thread (RP") 3/8	3/8	3/8
Net weight of the unit (empty) [lbs] 229 229 Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions 5.76 15.76 Width [in] 15.76 15.76 Height [in] 13.51 13.51 Doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Measures		
Permitted load [lbs] 132 132 Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions Internal Dimensions Width [in] 15.76 15.76 Height [in] 15.76 15.76 Depth [in] 3.51 13.51 Doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Interior volume [cu.ft.]	1.9	1.9
Load per rack [lbs] 44 44 Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions 15.76 15.76 Width [in] 15.76 15.76 Height [in] 13.51 13.51 Doors Unit doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Net weight of the unit (empty) [lbs]	229	229
Viewing window width [in] 16.55 16.55 Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions 5.76 15.76 Width [in] 15.76 15.76 Height [in] 13.51 13.51 Doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Permitted load [lbs]	132	132
Viewing window height [in] 16.55 16.55 Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions Width [in] 15.76 15.76 Height [in] 15.76 15.76 Depth [in] 13.51 13.51 Doors Unit doors 1 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Load per rack [lbs]	44	44
Wall clearance back [in] 3.94 3.94 Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions Width [in] 15.76 15.76 Weight [in] 15.76 15.76 Depth [in] 13.51 13.51 Doors Unit doors 1 1 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Viewing window width [in]	16.55	16.55
Wall clearance sidewise [in] 2.76 2.76 Internal Dimensions 15.76 15.76 Width [in] 15.76 15.76 Height [in] 13.51 13.51 Doors 1 1 Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Viewing window height [in]	16.55	16.55
Internal Dimensions	Wall clearance back [in]	3.94	3.94
Width [in] 15.76 15.76 Height [in] 15.76 15.76 Depth [in] 13.51 13.51 Doors Unit doors 1 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Wall clearance sidewise [in]	2.76	2.76
Height [in] 15.76 15.76 Depth [in] 13.51 13.51 Doors Unit doors 1 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Internal Dimensions		
Depth [in] 13.51 Doors Unit doors 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16	Width [in]	15.76	15.76
Doors Unit doors 1 1 Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 Environment-specific data	Height [in]	15.76	15.76
Unit doors 1 1 Housing dimensions not incl. fittings and connections 25.14 25.14 Width net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data 18.16 18.16	Depth [in]	13.51	13.51
Housing dimensions not incl. fittings and connections Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Doors		
Width net [in] 25.14 25.14 Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Unit doors	1	1
Height net [in] 32.11 32.11 Depth net [in] 18.16 18.16 Environment-specific data	Housing dimensions not incl. fittings and connections		
Depth net [in] 18.16 18.16 Environment-specific data	Width net [in]	25.14	25.14
Environment-specific data	Height net [in]	32.11	32.11
	Depth net [in]	18.16	18.16
	Environment-specific data		
Sound-pressure level [dB(A)] 40 40	Sound-pressure level [dB(A)]	40	40
Fixtures	Fixtures		
Number of shelves (std./max.) 2/5 2/5	Number of shelves (std./max.)	2/5	2/5

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. 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.
Additional universal ventilation	Additional universal connection for ventilation with ambient air or inert gas. Flow limiter thread (RP"), and connection with 3/8" male thread.	-	8612-0001
Analog output 4-20 mA	for temperature and pressure values (output not adjustable)	-	8612-0004
Calibration certificate, expanded	for temperature; for extending the measurement in center of chamber to include another test temperature	-	8012-1127
Calibration certificate, pressure	for digital pressure display, measurement at 100 mbar or at specified pressure (range 20 – 900 mbar)	-	8012-0440
Calibration certificate, temperature	for temperature, measurement in center of chamber at specified temperature	-	8012-1145
	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	-	8012-0919
	temperature measurement incl. certificate, 9 measuring points at specified temperature	-	8012-0916
Door gasket	made of FKM, silicone-free	-	8612-0008
Door lock	lockable door handle	-	8612-0002
Expansion racks	stainless steel expansion rack instead of standard aluminum expansion rack, incl. calibration	-	8612-0012
Temperature measurement of the specimen	with flexible Pt 100 sensor and digital specimen temperature display	-	8612-0006
Universal access port	Additional DN 40 small flange universal access port with blind flange, for positioning sensors or supply lines in the chamber.	-	8612-0003

^{*} Notes > See last page

ACCESSORIES

Designation	Description	*	ArtNo.
Evnancian racks	stainless steel	-	8009-1092
Expansion racks	aluminum	-	8009-1030
	Multi Management Software APT-COM™		
Multi Management	version 4, BASIC edition	-	9053-0039
Software	version 4, GLP edition	-	9053-0042
	version 4, PROFESSIONAL edition	-	9053-0040
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	-	1002-0016
	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
0 115 11 1	Hard copy inside folder	-	7007-0001
Qualification documents	$IQ/OQ/PQ$ documents – supporting documents for validation performed by customers, according to customer requirements, PQ section added to qualification folder IQ/OQ ; parameters: temperature, CO_2 , O_2 – or pressure, depending on unit		
	Digital in PDF format	-	7057-0005
	Hard copy inside folder	-	7007-0005

^{*} Notes > See last page



Description	*	ArtNo.
Chemical membrane pump with nominal pumping speed 1.9 m³/h, final pressure 12 mbar, with separator and emission condenser		
230 V / 50 Hz option model	-	8012-1971
for vacuum pump VP 4; consisting of clamping rings, universal centering rings, transition piece, anti-static vacuum hose, union nut, and elbow	-	8012-0621
Chemical membrane pump with nominal pumping speed 1.9 m³/h, final pressure 12 mbar		
230 V / 50 Hz option model	-	5013-0049
	Chemical membrane pump with nominal pumping speed 1.9 m³/h, final pressure 12 mbar, with separator and emission condenser 230 V / 50 Hz option model for vacuum pump VP 4; consisting of clamping rings, universal centering rings, transition piece, anti-static vacuum hose, union nut, and elbow Chemical membrane pump with nominal pumping speed 1.9 m³/h, final pressure 12 mbar	Chemical membrane pump with nominal pumping speed 1.9 m³/h, final pressure 12 mbar, with separator and emission condenser 230 V / 50 Hz option model for vacuum pump VP 4; consisting of clamping rings, universal centering rings, transition piece, anti-static vacuum hose, union nut, and elbow Chemical membrane pump with nominal pumping speed 1.9 m³/h, final pressure 12 mbar

^{*} Notes > See last page

SERVICES

Designation	Description	*	ArtNo.
Installation services			
Unit installation	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)	05	DL10-0100
Unit instructions	Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming	05	DL10-0500
Maintenance services			
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	05	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	05	DL20-0930
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	05	DL20-0500
Preventive 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	05	DL34-000
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	05	DL20-082
Calibration services			
Pressure calibration	Digital pressure display calibration at a specified test pressure of 20–900 mbar, including certificate	03, 04, 05	DL32-000
	Calibration of one (1) test temperature specified by the user in center of chamber including certificate	03, 04, 05	DL30-0101
Temperature calibration	Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate	03, 04, 05	DL30-0102
Temperature measurement, 15 measuring points	Temperature measurement with 15 measuring points with a set value specified by the user, including certificate	03, 04, 05	DL30-0218
Temperature measurement, 9 measuring points	Temperature measurement with 9 measuring points with a set value specified by the user, including certificate	03, 04, 05	DL30-0109
Validation services			
Execution of IQ/OQ	Execution of IQ/OQ in accordance with qualification folder	05	DL42-030
Execution of IQ/OQ/PQ	Execution of IQ/OQ/PQ in accordance with qualification folder	05	DL44-050
Warranty service			
Warranty extension from 2 to 3 years	The warranty is extended by 1 year from the delivery date, wear parts are excluded	-	DL50-002

^{*} 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. UL mark is not granted when this option is used.
- 02
- Sensor calibration is performed in an accredited calibration laboratory. 03
- 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 include a country-specific added fee (available on request).

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