

# Model BD-S 115 | Standard-Incubators with natural convection

The new products in the Solid.Line impress with their tried-and-tested BINDER quality and reliability. They are suited to incubation. The attributes of the Solid.Line are geared towards the application in question and therefore used in research and quality assurance.

## BENEFITS

- Easy handling
- Accurate temperature control
- Simple and ergonomic door opening



Model 115

## MAIN FEATURES

- Temperature range: +5 °C above ambient temperature to +70 °C
- APT.line™ preheating chamber technology
- Natural convection
- Adjustable exhaust air flap
- Controller with timer function
- Inner door made of tempered safety glass
- 1 chrome-plated rack, incl. shelf supports
- Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm

## ORDERING INFORMATION

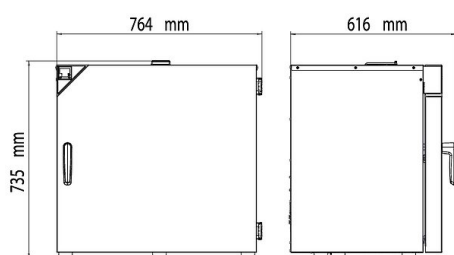
Interior volume [L]	Voltage	Option model	Version	Art.-No.
118	230 V 1~ ph 50/60 Hz	Standard	BDS115-230V	9090-0022
	120 V 1~ ph 60 Hz	Standard	BDS115-120V	9090-0023

## TECHNICAL DATA

Description	BDS115-230V	BDS115-120V
Article Number	9090-0022	9090-0023
Performance Data Temperature		
Temperature range +5 °C above ambient temperature to [°C]	70	70
Temperature variation at 37 °C [± K]	0.5	0.5
Temperature fluctuation at 37 °C [± K]	0.3	0.3
Recovery time after 30 seconds door open at 37 °C [min]	15	15

Description	BDS115-230V	BDS115-120V
<b>Article Number</b>	<b>9090-0022</b>	<b>9090-0023</b>
<b>Electrical data</b>		
Rated Voltage [V]	230	120
Power frequency [Hz]	50/60	60
Nominal power [kW]	0.35	0.35
Unit fuse [A]	6.3	6.3
Phase (Nominal voltage)	1~	1~
<b>Measures</b>		
Interior volume [L]	118	118
Net weight of the unit (empty) [kg]	47	47
Permitted load [kg]	75	75
Load per rack [kg]	20	20
Wall clearance back [mm]	160	160
Wall clearance sidewise [mm]	100	100
<b>Internal Dimensions</b>		
Interior width [mm]	550	550
Interior height [mm]	550	550
Interior depth [mm]	390	390
<b>Doors</b>		
Inner doors	1	1
Unit doors	1	1
<b>Housing dimensions not incl. fittings and connections</b>		
Width net [mm]	764	764
Height net [mm]	735	735
Depth net [mm]	616	616
<b>Environment-specific data</b>		
Energy consumption at 37 °C [Wh/h]	25	25
<b>Fixtures</b>		
Number of shelves (std./max.)	1/5	1/5

## DIMENSIONS incl. fittings and connections [mm]



## ACCESSORIES

Designation	Description	*	Art.-No.
<b>Grid shelf</b>	Incl. shelf supports chrome plated	-	8012-1808
<b>pH-neutral detergent</b>	concentrated, for gentle remove of residual contaminants; 1 kg	-	8012-2250
<b>Rubber pads</b>	set anti-slip feet	-	8012-2030

\* Notes › See last page

## SERVICES

Designation	Description	*	Art.-No.
Maintenance contracts			
Installation services			
Maintenance services			
Calibration services			
Warranty service			
1-year warranty extension	The warranty is extended by 1 year from the delivery date, wear parts are excluded	–	DL50-0010
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
Calibration certificate, temperature	Calibration of one (1) test temperature specified by the user in center of chamber, including certificate	03, 04, 05	DL30-0101
	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
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 test temperature specified by the user in the center of the usable space, including certificate	05	DL20-0910
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	DL20-0200
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	DL20-0810
Temperature measurement, 27 measuring points	Temperature measurement with 27 measuring points with a set value specified by the user, including certificate	03, 04, 05	DL30-0127
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
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)	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

\* Notes › See last page

## NOTES

- 01 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.
- 03 Sensor calibration is performed in an accredited calibration laboratory.
- 04 Calibration is performed according to the BINDER factory standard.
- 05 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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