

# 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

## IMPORTANT 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

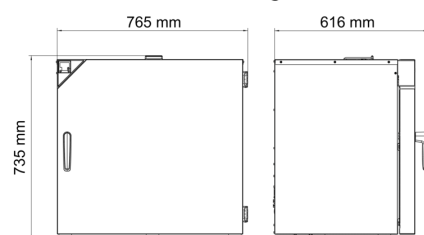
| Interior volume [L] | Power supply - unit fuse | Plug*     | Version  | Model version | Art.-No.  |
|---------------------|--------------------------|-----------|----------|---------------|-----------|
| Model BD-S 115      |                          |           |          |               |           |
| 118                 | 120 V 1~ 60 Hz -6,3 A    | NEMA 5-15 | Standard | BDS115UL-120V | 9090-0023 |
|                     | 230 V 1~ 50/60 Hz -6,3 A | CEE 7/7   | Standard | BDS115-230V   | 9090-0022 |

## TECHNICAL DATA

| Data                                                  |                                          |                                          |
|-------------------------------------------------------|------------------------------------------|------------------------------------------|
| Designation                                           | BDS115-230V                              | BDS115UL-120V                            |
| Article Number                                        | 9090-0022                                | 9090-0023                                |
| Option model                                          | Standard                                 | Standard                                 |
| Performance Data Temperature                          |                                          |                                          |
| Temperature range                                     | +5 °C above ambient temperature to 70 °C | +5 °C above ambient temperature to 70 °C |
| Temperature uniformity at 37°C                        | 0.5 ± K                                  | 0.5 ± K                                  |
| Temperature fluctuation at 37°C                       | 0.3 ± K                                  | 0.3 ± K                                  |
| Heating up time to 37°C                               | 250 min                                  | 250 min                                  |
| Recovery time after door was opened for 30 s at 37°C  | 15 min                                   | 15 min                                   |
| Electrical data                                       |                                          |                                          |
| Rated Voltage                                         | 230 V                                    | 120 V                                    |
| Power frequency                                       | 50/60 Hz                                 | 60 Hz                                    |
| Nominal power                                         | 0,35 kW                                  | 0,35 kW                                  |
| Unit fuse                                             | 6,3 A                                    | 6,3 A                                    |
| Phase (Nominal voltage)                               | 1~                                       | 1~                                       |
| Dimensions and weights                                |                                          |                                          |
| Interior volume                                       | 118 L                                    | 118 L                                    |
| Net weight of the unit (empty)                        | 47 kg                                    | 47 kg                                    |
| Load per rack                                         | 20 kg                                    | 20 kg                                    |
| Permitted load                                        | 75 kg                                    | 75 kg                                    |
| Wall clearance back                                   | 160 mm                                   | 160 mm                                   |
| Wall clearance sidewise                               | 100 mm                                   | 100 mm                                   |
| Housing dimensions not incl. fittings and connections |                                          |                                          |
| Width net                                             | 765 mm                                   | 765 mm                                   |
| Height net                                            | 735 mm                                   | 735 mm                                   |
| Depth net                                             | 616 mm                                   | 616 mm                                   |
| Internal Dimensions                                   |                                          |                                          |
| Interior width                                        | 550 mm                                   | 550 mm                                   |
| Interior height                                       | 550 mm                                   | 550 mm                                   |

|                                  |         |         |
|----------------------------------|---------|---------|
| Interior depth                   | 390 mm  | 390 mm  |
| Inner doors                      | 1       | 1       |
| Unit doors                       | 1       | 1       |
| <b>Environment-specific data</b> |         |         |
| Energy consumption at 37°C       | 25 Wh/h | 25 Wh/h |
| <b>Fixtures</b>                  |         |         |
| Number of shelves (std./max.)    | 1/5     | 1/5     |

## DIMENSIONS Incl. fittings and connections [mm]



## ACCESSORIES

| Designation          | Description                                                    | BD-S 115 | * | Art.-No.  |
|----------------------|----------------------------------------------------------------|----------|---|-----------|
| Grid shelf           | Incl. shelf supports                                           |          |   |           |
|                      | chrome plated                                                  | •        | - | 8012-1808 |
| pH-neutral detergent | concentrated, for gentle remove of residual contaminants; 1 kg | •        | - | 8012-2250 |
| Rubber pads          | set anti-slip feet                                             | •        | - | 8012-2030 |

## SERVICES

| Designation                                  | Description                                                                                                                                                                                                                      | *  | Art.-No.  |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------|
| <b>Calibration services</b>                  |                                                                                                                                                                                                                                  |    |           |
| Calibration certificate, temperature         | Calibration of one (1) test temperature specified by the user in center of chamber, including certificate                                                                                                                        | 05 | DL30-0110 |
|                                              | Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate                                                                                   | 05 | DL30-0102 |
| Temperature measurement, 9 measuring points  | Temperature measurement with 9 measuring points with a set value specified by the user, including certificate                                                                                                                    | 05 | DL30-0109 |
| Temperature measurement, 27 measuring points | Temperature measurement with 27 measuring points with a set value specified by the user, including certificate                                                                                                                   | 05 | DL30-0127 |
| <b>Installation services</b>                 |                                                                                                                                                                                                                                  |    |           |
| 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 |

| Designation                        | Description                                                                                                                                                                                                                                                                                                                                 | *  | Art.-No.  |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------|
| Unit instructions                  | Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming                                                                                                                                                                                                       | 05 | DL10-0500 |
| <b>Maintenance contracts</b>       |                                                                                                                                                                                                                                                                                                                                             |    |           |
| 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 | DL20-0720 |
| 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 | DL20-0915 |
| 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 | DL20-0815 |
| <b>Maintenance services</b>        |                                                                                                                                                                                                                                                                                                                                             |    |           |
| 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 | DL20-0601 |
| <b>Warranty service</b>            |                                                                                                                                                                                                                                                                                                                                             |    |           |
| 1-year warranty extension          | The warranty is extended by 1 year from the delivery date, wear parts are excluded                                                                                                                                                                                                                                                          | 05 | DL50-0010 |

## NOTES

- 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).



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

**[www.wolflabs.co.uk](http://www.wolflabs.co.uk)**

**Tel : 01759 301142**

**Fax : 01759 301143**

**[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)**

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