

Model FD-S 115 | Drying and heating chambers with forced convection

The new products in the Solid.Line impress with their tried-and-tested BINDER quality and reliability. They are suited to drying and heating. 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: +10°C above ambient temperature to +250 °C
- APT.line™ preheating chamber technology
- Forced convection
- Adjustable exhaust air flap
- Controller with timer function
- 1 chrome-plated rack, incl. shelf supports
- Class 2 integrated independent adjustable temperature safety device (DIN 12880) with visual alarm

ORDERING INFORMATION

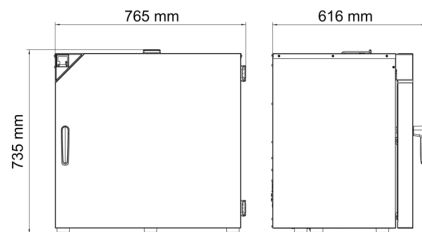
| Interior volume [L] | Power supply - unit fuse | Plug* | Version | Model version | Art.-No. |
|-----------------------|--------------------------|-----------|----------|---------------|-----------|
| Model FD-S 115 | | | | | |
| 106 | 230 V 1~ 50/60 Hz -6,3 A | CEE 7/7 | Standard | FDS115-230V | 9090-0024 |
| | 120 V 1~ 60 Hz -6,3 A | NEMA 5-15 | Standard | FDS115UL-120V | 9090-0025 |

TECHNICAL DATA

| Data | | |
|---|--|--|
| Designation | FDS115-230V | FDS115UL-120V |
| Article Number | 9090-0024 | 9090-0025 |
| Option model | Standard | Standard |
| Performance Data Temperature | | |
| Temperature range | +10 °C above ambient temperature to 250 °C | +10 °C above ambient temperature to 250 °C |
| Temperature uniformity at 150°C | 2.0 ± K | 2.0 ± K |
| Temperature fluctuation at 150°C | 0.4 ± K | 0.4 ± K |
| Heating up time to 150°C | 20 min | 20 min |
| Recovery time after door was opened for 30 s at 150°C | 8 min | 8 min |
| Air change data | | |
| Air change rate at 100°C | 2 x/h | 2 x/h |
| Electrical data | | |
| Rated Voltage | 230 V | 120 V |
| Power frequency | 50/60 Hz | 60 Hz |
| Nominal power | 1,3 kW | 1,4 kW |
| Unit fuse | 6,3 A | 6,3 A |
| Phase (Nominal voltage) | 1~ | 1~ |
| Dimensions and weights | | |
| Interior volume | 106 L | 106 L |
| Net weight of the unit (empty) | 48 kg | 48 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 | 764 mm | 764 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 | 350 mm | 350 mm |
| Unit doors | 1 | 1 |
| Environment-specific data | | |
| Sound-pressure level | 48 dB(A) | 48 dB(A) |
| Energy consumption at 150°C | 340 Wh/h | 340 Wh/h |
| Fixtures | | |
| Number of shelves (std./max.) | 1/5 | 1/5 |

DIMENSIONS Incl. fittings and connections [mm]



ACCESSORIES

| Designation | Description | FD-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. |
|---|--|---|-----------|
| Calibration services | | | |
| Calibration certificate, temperature | Calibration of one (1) test temperature specified by the user in center of chamber, including certificate | - | DL30-0120 |
| | Extension of calibration of one (1) additional test temperature specified by the user in the center of the usable space, including certificate | - | DL30-0102 |
| Measurement of air exchange rate | including certificate (in accordance with ASTM D5374) | - | DL33-0000 |
| Temperature measurement, 9 measuring points | Temperature measurement with 9 measuring points with a set value specified by the user, including certificate | - | DL30-0109 |

| Designation | Description | * | Art.-No. |
|--|---|---|-----------|
| Temperature measurement, 27 measuring points | Temperature measurement with 27 measuring points with a set value specified by the user, including certificate | – | DL30-0127 |
| 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) | – | DL10-0100 |
| Unit instructions | Instruction regarding operating principle and basic functions of the unit, operation of the control electronics including programming | – | DL10-0500 |
| 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 | – | DL20-0720 |
| 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 | – | DL20-0910 |
| 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 | – | DL20-0810 |
| 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 | – | DL20-0602 |
| Warranty service | | | |
| 1-year warranty extension | The warranty is extended by 1 year from the delivery date, wear parts are excluded | – | DL50-0010 |

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