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

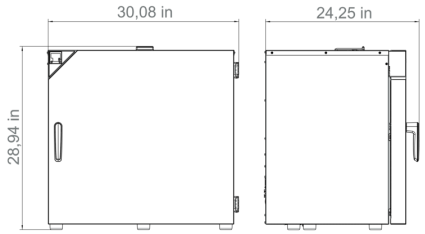
Interior volume		Power supply - unit fuse	Plug*	Version	Model version	Art.-No.
[cu.ft.]	[L]					
Model FD-S 115						
4	106	230 V 1~ 50/60 Hz -6,3 A	CEE 7/7	Standard	FDS115-230V	9090-0024
		120 V 1~ 60 Hz -6,3 A	NEMA 5-15	Standard	FDS115UL-120V	9090-0025

TECHNICAL DATA

Data		
Article Number	9090-0024	9090-0025
Designation	FDS115-230V	FDS115UL-120V
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	4 cu.ft.	4 cu.ft.
Net weight of the unit (empty)	106 lbs	106 lbs
Load per rack	44 lbs	44 lbs
Permitted load	165 lbs	165 lbs
Wall clearance back	6,3 in	6,3 in
Wall clearance sidewise	3,94 in	3,94 in
Housing dimensions not incl. fittings and connections		
Width net	30.08 in	30.08 in
Height net	28.94 in	28.94 in
Depth net	24.25 in	24.25 in
Internal Dimensions		

Interior width	21.65 in	21.65 in
Interior height	21.65 in	21.65 in
Interior depth	13.78 in	13.78 in
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			
Temperature calibration	Calibration of one (1) test temperature specified by the user in center of chamber, including certificate Travel to be quoted separate.	05	DL30-0120
	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.	05	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.	05	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. Travel to be quoted separate. A total of 3 shelves are required.	05	DL30-0127
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) Travel to be quoted as separate.	05	DL10-0160
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.	05	DL10-0530
Maintenance services			
BRONZE 3-year maintenance contract	Annual Device Inspection Includes Preventive Maintenance with Calibration 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.	05	DL20-0720
GOLD 3-year maintenance contract	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.	05	DL20-0910
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.	05	DL20-0602
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.	05	DL20-0810
Warranty service			
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).

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