

# Model FD-S 56 | 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 56

## MAIN FEATURES

- Temperature range: ambient temperature +10 °C 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

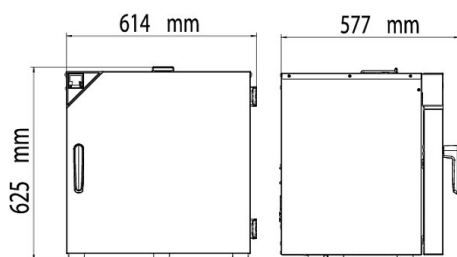
Interior volume [L]	Voltage	Option model	Version	Art.-No.
Model FD-S 56				
55	230 V 1~ ph 50/60 Hz	Standard	FDS056-230V	9090-0018
	120 V 1~ ph 60 Hz	Standard	FDS056UL-120V	9090-0019

## TECHNICAL DATA

Description	FDS056-230V	FDS056UL-120V
Article Number	9090-0018	9090-0019
Performance Data Temperature		
Temperature range 10 °C above ambient temperature to [°C]	250	250
Temperature variation at 150 °C [± K]	2.6	2.6
Temperature fluctuation at 150 °C [± K]	0.5	0.5
Heating-up time to 150 °C [min]	20	20

Description	FDS056-230V	FDS056UL-120V
Article Number	9090-0018	9090-0019
<b>Air change data</b>		
Air change (approx.) at 100 °C [x/h]	80	80
<b>Electrical data</b>		
Rated Voltage [V]	230	120
Power frequency [Hz]	50/60	60
Nominal power [kW]	1.1	1.1
Unit fuse [A]	6.3	6.3
Phase (Nominal voltage)	1~	1~
<b>Internal Dimensions</b>		
Depth [mm]	310	310
Height [mm]	440	440
Width [mm]	400	400
<b>Housing dimensions not incl. fittings and connections</b>		
Width net [mm]	614	614
Height net [mm]	625	625
Depth net [mm]	577	577
<b>Measures</b>		
Wall clearance back [mm]	160	160
Wall clearance sidewise [mm]	100	100
Interior volume [L]	55	55
Net weight of the unit (empty) [kg]	35.5	35.5
permitted load [kg]	30	30
Load per rack [kg]	15	15
<b>Doors</b>		
Unit doors	1	1
<b>Environment-specific data</b>		
Energy consumption at 150 °C [Wh/h]	290	290
Sound-pressure level [dB(A)]	43	43
<b>Fixtures</b>		
Number of shelves (std./max.)	1/3	1/3

### DIMENSIONS incl. fittings and connections [mm]



### OPTIONS AND ACCESSORIES

Designation	Description	*	Art.-No.
Data Logger Kit	T 350: For continuous temperature logging from 0 °C to 350 °C; kit includes 1 data logger, Pt 100 sensor with 2 m extension cable and 1 magnetic fixture for mounting to the BINDER unit	19	8012-0714
Data Logger Software	LOG ANALYZE software kit, configuration and evaluation software for all BINDER Data Logger Kits (incl. USB data cable)	19	8012-0821
Grid shelf	Incl. shelf supports chrome plated	-	8012-1807

\* Notes > See last page

Designation	Description	*	Art.-No.
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	-	1002-0016
Rubber pads	set anti-slip feet	-	8012-1887

\* Notes › See last page

## SERVICES

Designation	Description	*	Art.-No.
<b>Installation services</b>			
Installation	and set up of unit at operating location, connect to existing connections	13, 18	DL10-0100
Instruction	unit function instructions for operation and programming of the controller	18	DL10-0500
<b>Preventive maintenance</b>			
Preventive maintenance	Executive of equipment inspection according to maintenance plan	14, 18	DL20-0200
<b>Calibration services</b>			
Calibration temperature incl. certificate	including certificate, one measuring point in center of chamber at specified temperature	14, 16, 17, 18	DL30-0101
Measurement of air exchange rate	including certificate (in accordance with ASTM D5374)	14, 16, 17, 18	DL33-0000
Temperature measurement 27 measuring points	including certificate, 27 measuring points at specified temperature	14, 16, 17, 18	DL30-0127
Temperature measurement 9 measuring points	including certificate, 9 measuring points at specified temperature	14, 16, 17, 18	DL30-0109
<b>Warranty service</b>			
Extension of the warranty from 2 to 3 years	beginning with the date of delivery, wearing parts are not included	-	DL00-3041

\* Notes › See last page



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**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.

