

Safety drying chambers

FDL series



Safety drying chambers

Series FDL

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Options and Accessories

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A BINDER heating oven with a silicone- and dust-free inner chamber and a symmetrical air flow provides the perfect environment for standard-compliant drying of paints and coating materials containing solvents. The FDL Series guarantees short drying time with high temperature accuracy and defined ventilation. Every BINDER heating oven thus represents the basis for the highest-quality results and reproducible tests in the fields of chemistry and surface technology. The replaceable fresh air cartridges are easy to change and ensure constant fresh air quality. The safety concept meets the DIN EN 1539-2015 standard.

PRODUCT SELECTION SAFETY DRYING CHAMBERS

Features	FDL
› Page 6	
Model	
Model 115	•
General data	
Temperature range 10 °C above ambient temperature to [°C]	300
RS 422 interface	•
Forced convection	•
Controller and timer functions	
Controller display	LED
Ramp function	•
Time delayed OFF	•
Time delayed ON	•
Temperature dependent delayed OFF	•
Programming option	•
Weekly program function	•
Real-time clock	•
Class 2 independent adjustable temperature safety device	•
Temperature alarm, visual	•
•Standard equipment	

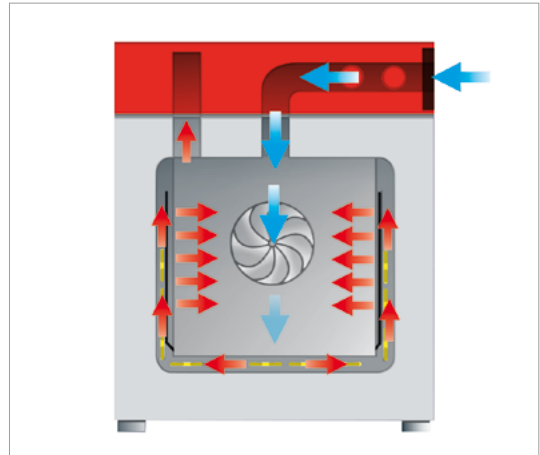
ADVANTAGES AT A GLANCE



FULFILLS THE SAFETY REQUIREMENTS OF EN 1539:2015

Series FDL

Fresh-air monitoring with automatic deactivation of the heating and replaceable Class M6 filter cartridge fulfills the DIN EN 779:2012.



PRECISE TEST CONDITIONS

Series FDL

BINDER APT.line™ preheating chamber technology provides symmetrical airflow and defined flow speeds.



CONVENIENT WORK ENVIRONMENT

Series FDL

The interior concept includes rack with tilt protection, no permanent fixtures and stainless steel interior.

Series FDL | for limited quantities of solvent

The BINDER FDL 115 with silicone and dust-free inner chamber, as well as symmetric airflow dries specimens containing solvents and thus this safety drying oven meets all EN 1539 requirements.



FDL 115 model

MAIN FEATURES

- Temperature range: room temperature plus 5 °C to 300 °C
- APT.line™ preheating chamber technology
- Controller with time-segment and real-time programming
- 2 chrome-plated racks
- Fresh-air monitoring with audible and visual alarm and automatic deactivation of heating
- Replaceable filter cartridge, Class M6
- Class 2 independent adjustable temperature safety device (DIN 12880) with visual alarm
- Computer interface: RS 422

AVAILABLE SIZES

Model	Interior volume [L]	Online data sheets
FDL 115	115	> go2binder.com/en-FDL115

TECHNICAL DATA

Description	FDL 115
Measures - Outer dimensions	
Width net [mm]	830
Height net [mm]	805
Depth net [mm]	685
Measures - Internal Dimensions	
Width [mm]	600
Height [mm]	435
Depth [mm]	435
Measures	
Interior volume [L]	115
Net weight of the unit (empty) [kg]	90
permitted load [kg]	60
Load per rack [kg]	30
Performance Data Temperature	
Temperature range 10 °C above ambient temperature to [°C]	300
Temperature variation at 150 °C [± K]	2.5
Temperature fluctuation [± K]	0.8
Heating-up time to 150 °C [min]	20
Recovery time after 30 seconds door open at 150 °C [min]	12
Electrical data	
Nominal power (Version 230 V) [kW]	2.9
Fixtures	
Number of shelves (std./max.)	2/5

ORDERING INFORMATION [Art. No.]

Further details: Go to www.binder-world.com > Search > Enter Article Number

Voltage	Option model	FDL 115
230 V 1~ 50/60 Hz	Standard	9010-0292

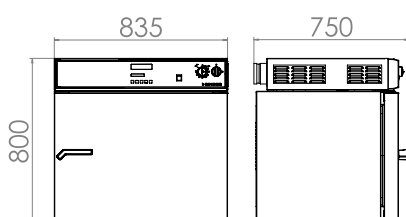
► You will find a selection of options, accessories and services suitable for each product on page 8

EXTRACT OF FULLFILLED STANDARDS

- DIN EN 1539:2015

DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]

FDL 115



EXCERPT FROM OPTIONS AND ACCESSORIES

Access port with silicone plug

For introducing external measuring instruments. Large selection of different diameters and positions (left, right, or top)

Series FDL

Door gasket

Door gasket made of high-temperature-resistant silicone for operating temperatures > 200 °C.

Series FDL

Coil coating door flap

Flap in the door, ideal for coil coating tests.

Series FDL

Services

You can access our installation, maintenance, calibration, validation, or warranty services by taking out a Maintenance Service Agreement or by simply getting in touch when you need us.

More information is available in the accessories and services chapter.

Series FDL

BINDER INDIVIDUAL

Using a BINDER series production product as a basis, we develop individual solutions as a single unit or in small batches. All products are tested, certified, and supplied with a full functional guarantee and warranty. More information is available in the accessories and services chapter.

Series FDL

► All extras online go2binder.com/en-options



Access port with silicone plug



Door gasket



Coil coating door flap



Services

BINDER products

CO₂ incubators

Incubators

Cooling incubators

Growth chambers

Ultralow temperature freezers

Drying and heating chambers

Safety drying chambers

Vacuum drying chambers

Constant climate chambers

Dynamic climate chambers



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