

Series BF Avantgarde.Line | with forced convection

The BINDER incubator of the BF Avantgarde.Line series with forced convection is suitable for all gentle incubation applications, particularly under a full load and large batch throughputs. This incubator is extremely homogeneous and has quick recovery times.



BF 115 model

MAIN FEATURES

- Temperature range (model 56 | 260): ambient temperature plus 7 °C to 100 °C
- Temperature range (model 115): ambient temperature plus 8 °C to 100 °C
- High temperature accuracy thanks to APT.line™ technology
- Forced convection
- Controller with LCD display
- Electromechanical control of the exhaust air flap
- Inner door made of tempered safety glass
- 2 chrome-plated racks
- Units up to 115 L are stackable
- Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm

AVAILABLE SIZES

Model	Interior volume [cu. ft.]	Online data sheets
BF 56	2.1	› go2binder.com/us-BF56
BF 115	4	› go2binder.com/us-BF115
BF 260	9.1	› go2binder.com/us-BF260
BF 720	25.9	› go2binder.com/us-BF720



TIPS & TRICKS

Benefit from our many years of experience, as demonstrated in our technical papers:

Tips & Tricks: › go2binder.com/us-tips-tricks
 Case Studies: › go2binder.com/us-case-studies



Find all details online
go2binder.com/us-BF-a

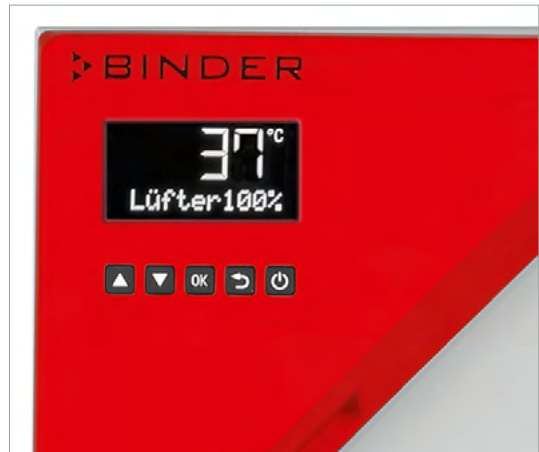
ADVANTAGES AT A GLANCE



EASY DATA LOGGING

Series BD, BF

A USB connector comes standard.



EASY, INTUITIVE HANDLING

Series BD, BF

The state-of-the-art controller is equipped with an easy-to-read alphanumeric display with various functions facilitating dialog with the unit and the readability of data.



BEST ENERGY EFFICIENCY ON THE MARKET AND LOW INSTALLATION REQUIREMENTS

Series BD, BF

thanks to low heat dissipation and an optimized heating system.



COMPLETELY HOMOGENEOUS TEMPERATURE DISTRIBUTION

Series BF

This feature provides excellent spatial and temporal temperature accuracy with the all-new generation of APT.line™ technology.

TECHNICAL DATA

Description	BF 56	BF 115	BF 260	BF 720
Outer dimensions				
Width net [in]	22.06	27.97	31.91	45.9
Height net [in]	24.63	28.96	38.02	62.6
Depth net [in]	22.26	23.84	29.94	34.28
Internal Dimensions				
Width [in]	15.76	21.67	25.61	39.4
Height [in]	17.34	21.67	30.73	51.2
Depth [in]	13.4	14.97	20.09	22.26
Measures				
Interior volume [cu.ft.]	2.1	4	9.1	25.9
Net weight of the unit (empty) [lbs]	86	119	187	366
permitted load [lbs]	154	331	595	694
Load per rack [lbs]	66	66	88	99
Performance Data Temperature				
Temperature range 7-8 °C above ambient temperature to [°C]	100	100	100	–
Temperature range 10 °C above ambient temperature to [°C]	–	–	–	100
Temperature variation at 37 °C [± K]	0.2	0.3	–	0.3
Temperature fluctuation at 37 °C [± K]	0.1	0.1	0.1	0.1
Heating-up time to 37 °C [min]	6	8	7	15
Recovery time after 30 seconds door open at 37 °C [min]	3	3	3	4
Electrical data				
Nominal power (version 120 V) [kW]	0.4	0.4	1	–
Nominal power (version 230 V) [kW]	0.4	0.4	0.9	1.75
Nominal power (version 240 V) [kW]	–	–	–	1.85
Fixtures				
Number of shelves (std./max.)	2/4	2/5	2/8	2/16

ORDERING INFORMATION [Art. No.]

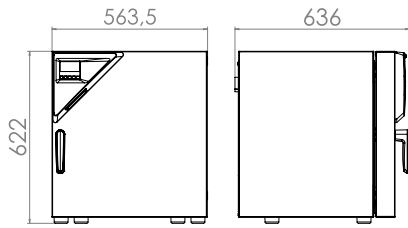
Further details: Go to www.binder-world.com > Search > Enter Article Number

Voltage	Option model	BF 56	BF 115	BF 260	BF 720
240 V 1~ 60 Hz	Standard	–	–	–	9010-0322
230 V 1~ 50/60 Hz	Standard	9010-0313	9010-0315	9010-0319	9010-0321
120 V 1~ 60 Hz	Standard	9010-0314	9010-0316	9010-0320	–

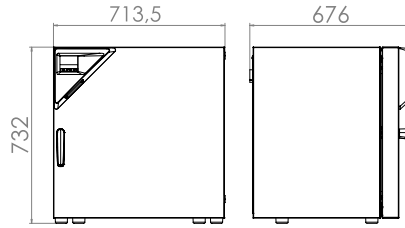
► You will find a selection of options, accessories and services suitable for each product on page 12

DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]

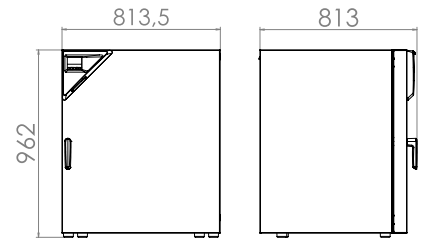
BF 56



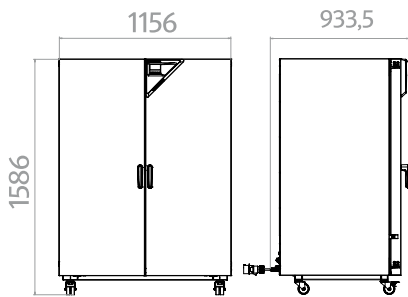
BF 115



BF 260



BF 720



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 BD, BF
Interior socket	Waterproof, switched flush-mounting box (CA3GD) for nominal voltage in unit interior, with cover and corresponding plug (nominal voltage; max. 500 W; max. 90 °C; protection class IP67) Series BD, BF
Door lock	Lockable door handle prevents unauthorized access. Series BD, BF
Shelf racks	Perforated shelves or shelf racks, chrome-plated or made from stainless steel. Series BD, BF
Data Logger Kit T	Independent temperature data logging. The tailored product solution contains helpful accessories: From the magnetic mounting of the data logger to the BINDER unit and securing sensor cable for accurate readings. Series BD, BF
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 BD, BF
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 BD, BF

► All extras online go2binder.com/us-options



Access port with silicone plug



Shaker operation in the chamber



Shelf



Data Logger for temperature