



Series FP Classic.Line | with forced convection and program functions

A BINDER material test chamber with mechanical convection of the FP series provides reliably short drying times and particularly fast heating – even for chambers under full loads.



FP 115 model

MAIN FEATURES

- Temperature range: room temperature plus 5 °C to 300 °C
- APT.line™ preheating chamber technology
- Adjustable fan speed
- Adjustable exhaust air flap
- Controller with time-segment and real-time programming
- 2 chrome-plated racks
- Class 2 independent adjustable temperature safety device (DIN 12880) with visual alarm
- Computer interface: RS 422

AVAILABLE SIZES

Model	Interior volume [cu. ft.]	Online data sheets
FP 53	1.9	› go2binder.com/us-FP53
FP 115	4.1	› go2binder.com/us-FP115
FP 240	8.5	› go2binder.com/us-FP240
FP 400	14.1	› go2binder.com/us-FP400
FP 720	25.4	› go2binder.com/us-FP720



TIPS & TRICKS

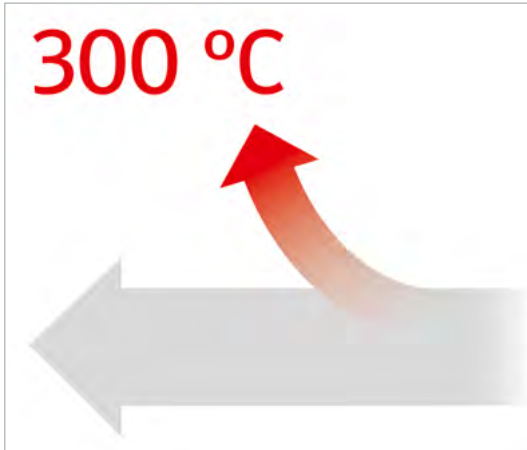
Benefit from our many years of experience, as demonstrated in our technical papers:

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



Find all details online
go2binder.com/us-FP-c

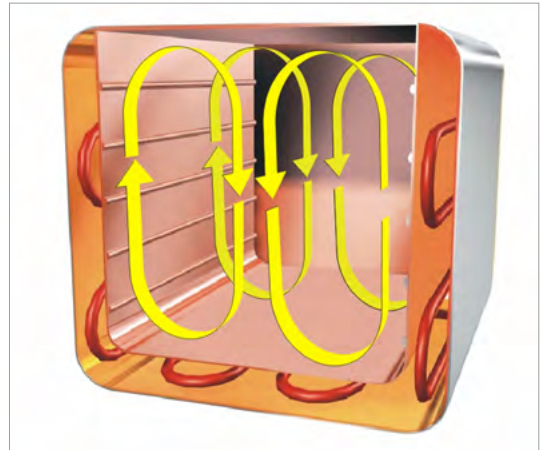
ADVANTAGES AT A GLANCE



BROAD RANGE OF APPLICATIONS

Series ED, FD, FED, FP, M

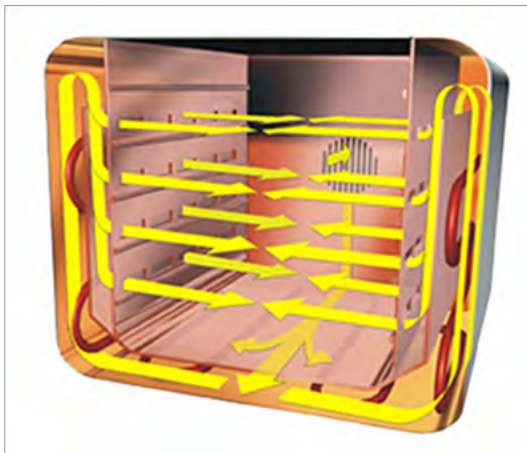
Many different applications can take advantage of the wide temperature range from 5 °C above ambient temperature to 300 °C. The FP and M series also impress with their adjustable air change rates and large power reserves.



HOMOGENEOUS TEMPERATURE CONDITIONS WITH GRAVITY CONVECTION

Series ED

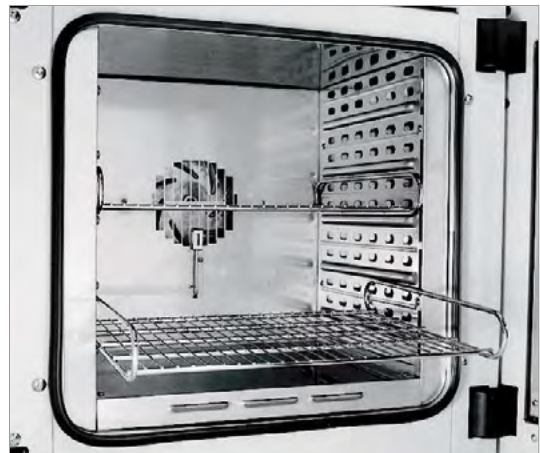
Gentle temperature distribution provided by the APT.line™ preheating chamber technology.



HOMOGENEOUS TEMPERATURE CONDITIONS WITH FORCED CONVECTION

Series FD, FED, FP, M

Long-term operational stability even under full load from the APT.line™ preheating chamber technology.



CONVENIENT WORK ENVIRONMENT

Series E, FD, FED, FP, M

BINDER interior concept: highlights rack with tilt protection, no permanent fixtures and stainless-steel inner chamber.

TECHNICAL DATA

Description	FP 53	FP 115	FP 240	FP 400	FP 720
Outer dimensions					
Width net [in]	25.02	32.9	40.8	48.7	48.7
Height net [in]	24.43	27.78	32.5	40.4	60.3
Depth net [in]	22.65	25.41	29.35	30.14	34.08
Internal Dimensions					
Width [in]	15.76	23.64	31.52	39.4	39.4
Height [in]	15.76	18.91	23.64	31.52	47.3
Depth [in]	13.4	16.15	20.09	20.09	24.03
Measures					
Interior volume [cu.ft.]	1.9	4.1	8.5	14.1	25.4
Net weight of the unit (empty) [lbs]	97	137	212	320	428
permitted load [lbs]	88	110	154	198	265
Load per rack [lbs]	33	44	66	77	99
Performance Data Temperature					
Temperature range 5 °C above ambient temperature to [°C]	300	300	300	300	300
Temperature variation at 150 °C [± K]	2	1.8	2	2.5	2
Temperature fluctuation at 150 °C [± K]	0.3	0.3	0.3	0.3	0.3
Heating-up time to 150 °C [min]	24	30	27	35	39
Recovery time after 30 seconds door open at 150 °C [min]	5	8	10	17	20
Electrical data					
Nominal power (version 120 V) [kW]	1.2	1.6	–	–	–
Nominal power (version 208 V) [kW]	–	–	2.7	3.4	5
Nominal power (version 230 V) [kW]	1.2	1.6	2.7	–	–
Nominal power (version 400 V) [kW]	–	–	–	3.4	5
Fixtures					
Number of shelves (std./max.)	2/5	2/6	2/7	2/10	2/16

ORDERING INFORMATION [Art. No.]

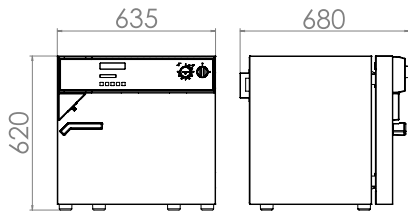
Further details: Go to www.binder-world.com > Search > Enter Article Number

Voltage	Option model	FP 53	FP 115	FP 240	FP 400	FP 720
400 V 3~ 50/60 Hz	Standard	–	–	–	9010-0265	9010-0267
230 V 1~ 50/60 Hz	Standard	9010-0153	9010-0255	9010-0263	–	–
208 V 1~ 60 Hz	Standard	–	–	9010-0264	9010-0266	9010-0268
120 V 1~ 60 Hz	Standard	9010-0175	9010-0262	–	–	–

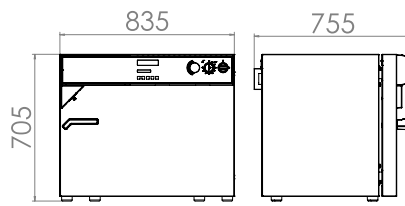
► You will find a selection of options, accessories and services suitable for each product on page 35

DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]

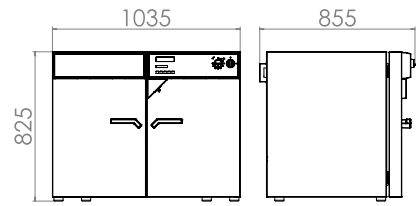
FP 53



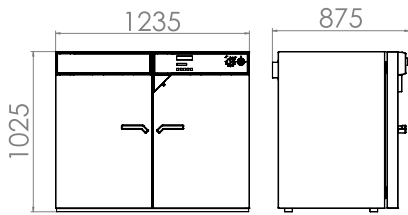
FP 115



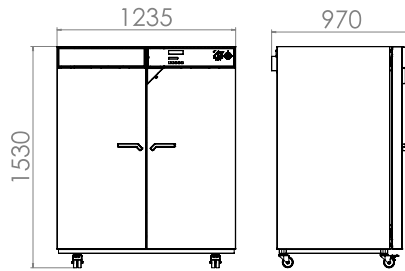
FP 240



FP 400



FP 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 E, ED, FD, FED, FP, M

Viewing window and interior lighting

Viewing window in the door with interior lighting for easy samples viewing.

Series E, ED, FD, FED, FP, M

Shelf racks

Perforated shelves or shelf racks, chrome-plated or made from stainless steel.

Series E, ED, FD, FED, FP, M

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.

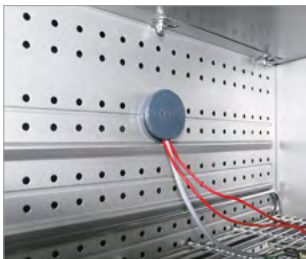
Series E, ED, FD, FED, FP, M

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 E, ED, FD, FED, FP, M

► All extras online go2binder.com/us-options



Access port with silicone plug



Viewing window in the door



Shelf



Services