



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

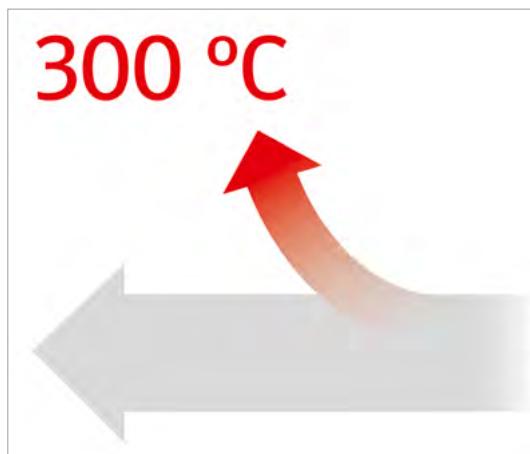
Benefit from our many years of experience, as demonstrated in our technical papers:

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



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

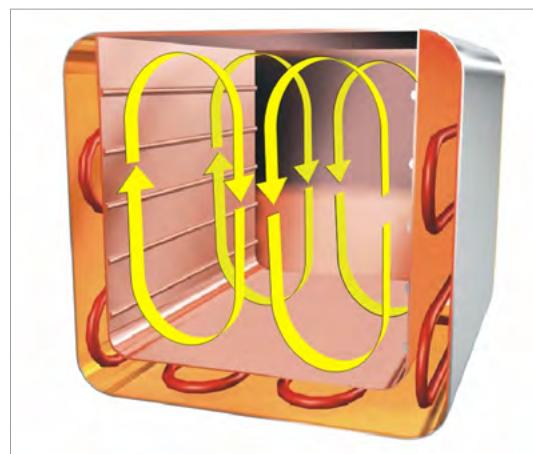
ADVANTAGES AT A GLANCE



BROAD RANGE OF APPLICATIONS

Series ED, FD, FED, FP, M

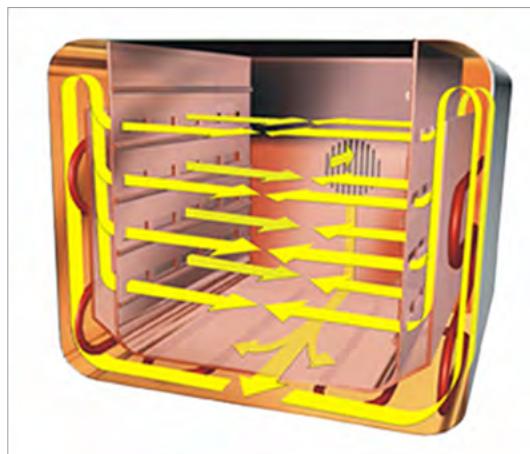
Many different applications can take advantage of the wide temperature range from 5 °C above ambient temperature to 300 °C. The FP and M series also impress with their adjustable air change rates and large power reserves.



HOMOGENEOUS TEMPERATURE CONDITIONS WITH GRAVITY CONVECTION

Series ED

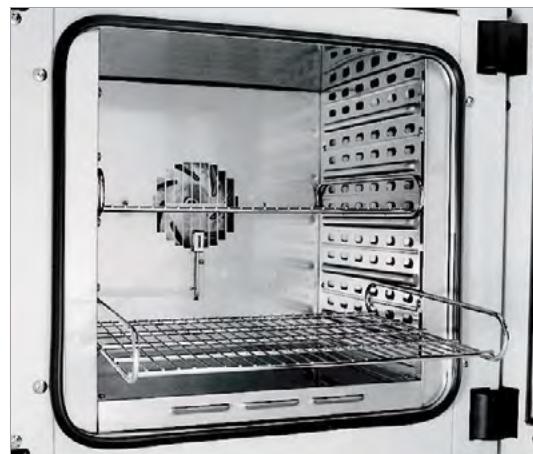
Gentle temperature distribution provided by the APT.line™ preheating chamber technology.



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.]

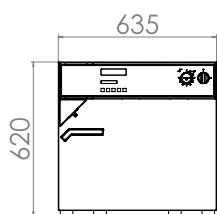
Further details: Go to www.binder-world.com > Search > Enter Article Number

| 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 | — | — | — |

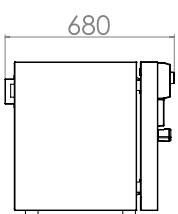
► You will find a selection of options, accessories and services suitable for each product on page 35

DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]

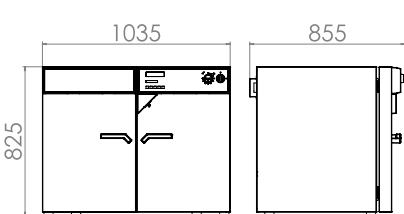
FP 53



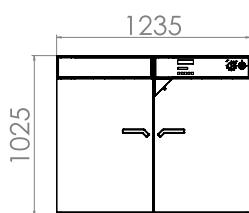
FP 115



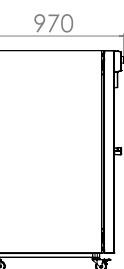
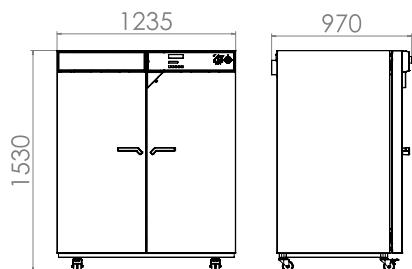
FP 240



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 |
|---------------------------------------|--|

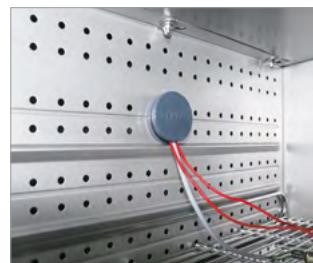
| | |
|---|---|
| Viewing window and interior lighting | Viewing window in the door with interior lighting for easy samples viewing. Series E, ED, FD, FED, FP, M |
|---|---|

| | |
|--------------------|--|
| 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