

Series KMF | with expanded temperature / humidity range

The BINDER KMF ensures absolutely constant test conditions throughout the testing area. A big advantage of this humidity test chamber is its low space requirement and flexibility in terms of water supply. The wide temperature and humidity range make this humidity test chamber ideally suited for stress testing series.



KMF 240 model

MAIN FEATURES

- Temperature range: -10 °C to 100 °C
- Humidity range: 10 % RH to 98 % RH
- APT.line™ preheating chamber technology
- Humidity regulation with capacitive humidity sensor and vapor humidification
- Inner chamber made of stainless steel
- BINDER APT-COM™ Basic Edition communication software
- Intuitive touchscreen controller with time-segment and real-time programming
- Internal data logger, measured values can be read out in open format via USB
- Unit self-test for comprehensive status analysis
- Tight-sealing inner door made of safety glass (ESG)

AVAILABLE SIZES

Model	Interior volume [cu. ft.]	Online data sheets
KMF 115	3.6	go2binder.com/us-KMF115
KMF 240	8.7	go2binder.com/us-KMF240
KMF 720	24.7	go2binder.com/us-KMF720



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-KMF

ADVANTAGES AT A GLANCE



HOMOGENEOUS TEMPERATURE DISTRIBUTION

Series KBF, KBF P, KBF LQC, KMF

BINDER APT.line™ preheating chamber technology ensures long-term operational stability even under full load.



INTUITIVE TOUCHSCREEN CONTROLLER

Series KBF, KBF P, KBF LQC, KMF

State-of-the-art controller technology with time-segment and real-time programming with internal data recording.



FLEXIBLE WATER AND WASTE WATER MANAGEMENT AT ANY LOCATION

Series KBF, KBF P, KMF

using the connection to the domestic water supply or an optional external water supply set (Fig.).

TECHNICAL DATA

Description	KMF 115	KMF 240	KMF 720
Outer dimensions			
Width net [in]	34.67	36.64	49.3
Height net [in]	41.4	57.7	75.8
Depth net [in]	25.61	31.52	35.07
Internal Dimensions			
Width [in]	23.64	25.61	38.34
Height [in]	19.03	30.93	49.3
Depth [in]	13.83	19.11	22.69
Measures			
Interior volume [cu.ft.]	3.6	8.7	24.7
Net weight of the unit (empty) [lbs]	280	395	650
permitted load [lbs]	220	220	331
Load per rack [lbs]	66	66	99
Performance Data Temperature			
Temperature range [°C]	-10...100	-10...100	-10...100
Average heating-up rate according to IEC 60068-3-5 [K/min]	1.3	0.8	0.7
Average cooling down time according to IEC 60068-3-5 [K/min]	0.5	0.4	0.4
Performance Data Climate			
Temperature range [°C]	10...90	10...90	10...90
Temperature variation depending on setpoint [± K]	0.2...1	0.1...1	0.1...1
Temperature fluctuation depending on setpoint [± K]	0.1...0.3	0.1...0.3	0.1...0.5
Humidity range [% RH]	10...98	10...98	10...98
Humidity fluctuation depending on setpoint [± % RH]	≤2,5	≤2	≤2
Electrical data			
Nominal power (version 230 V) [kW]	2	2.1	3.1
Nominal power (version 240 V) [kW]	2	2.1	3.1
Fixtures			
Number of shelves (std./max.)	1/5	1/9	1/15

ORDERING INFORMATION [Art. No.]

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

Voltage	Option model	KMF 115	KMF 240	KMF 720
200...230 V 1~ 50/60 Hz	Standard	9020-0341	9020-0343	9020-0345
200...240 V 1~ 50/60 Hz	Standard	9020-0342	9020-0344	9020-0346

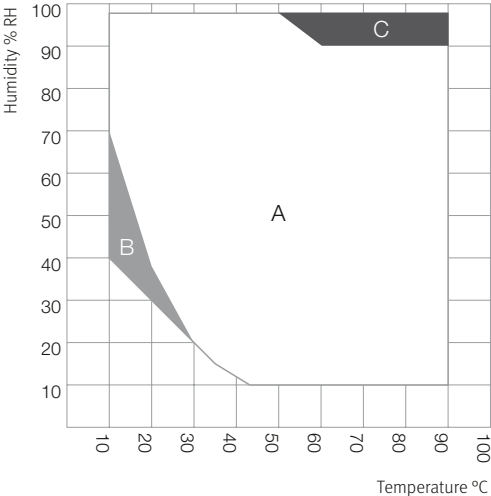
► You will find a selection of options, accessories and services suitable for each product on page 18

EXTRACT OF FULLFILLED STANDARDS

- ICH Q1A(R2)

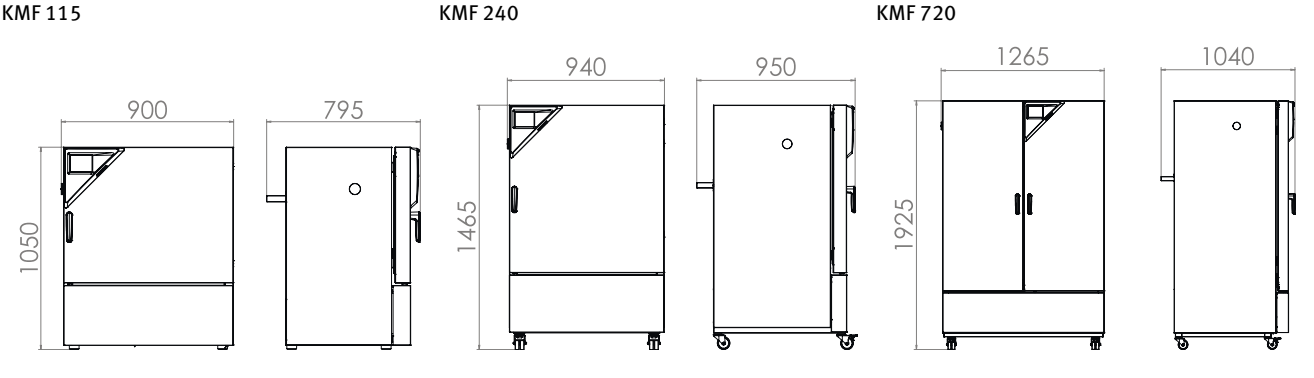
TEMPERATURE-HUMIDITY CHART

KMF 115, KMF 240, KMF 720



- A: Guaranteed condensation-free range
- B: Time-limited operation (max. 24 hours)
- C: Condensation in the inner chamber may be possible

DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]



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 KBF, KBF P, KBF LQC, KMF

BINDER PURE AQUA SERVICE

System for preparation or complete desalination of tap water, complete set containing PURE AQUA 300 single-use cartridge, measuring device, and all necessary connecting parts

Series KBF, KBF P, KBF LQC, KMF

Data Logger Kit TH

Independent temperature and humidity 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 KBF, KBF P, KBF LQC, KMF

LED light bar sets

LED light bars in three different lengths (30, 50, 90 cm) can be easily and variably positioned in the BINDER unit, including various attachment options and control unit. Additional light bars can be added as desired.

Series KBF, KBF P, KBF LQC, KMF

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.

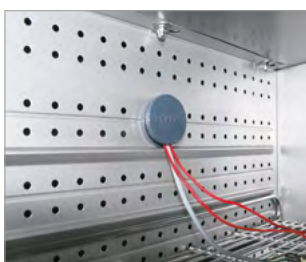
Series KBF, KBF P, KBF LQC, KMF

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 KBF, KBF P, KBF LQC, KMF

► All extras online go2binder.com/us-options



Access port with silicone plug



BINDER PURE AQUA Service



Data Logger



LED light strip sets