

Series MK | for rapid temperature changes

The BINDER MK series chamber is suitable for all heat and cold tests between -40 °C and 180 °C. The MK is a clever alternative to complex individual solutions for cyclical temperature tests.



MK 56 model

MAIN FEATURES

- Temperature range: -40 °C to 180 °C
- APT.line™ preheating chamber technology
- Programmable condensation protection for test material
- Heated viewing window with LED interior lighting
- BINDER APT-COM™ 3 Basic Edition communication software
- Troubleshooting system with visual and audible alarms
- Intuitive touchscreen controller with time-segment and real-time programming
- Internal data logger, measured values can be read out in open format via USB
- Access port with silicone plug (Models 56, 115, 240), 50 mm, left
- 2 access ports with silicone plugs (Model 720), 80 mm, left and right

AVAILABLE SIZES

Model	Interior volume [cu. ft.]	Online data sheets
MK 56	2.1	› go2binder.com/us-MK56
MK 115	4.1	› go2binder.com/us-MK115
MK 240	8	› go2binder.com/us-MK240
MK 720	25.9	› go2binder.com/us-MK720



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-MK

ADVANTAGES AT A GLANCE



HOMOGENEOUS TEMPERATURE DISTRIBUTION

Series MK, MKF, MKT, MKFT

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



CONVENIENT WORK ENVIRONMENT

Series MK, MKF, MKT, MKFT

With our high level of standard equipment, such as the heated viewing window with LED illumination and a large access area for easy assembly a convenient work environment can be established.



PROGRAMMING AND DATA COLLECTION

Series MK, MKF, MKT, MKFT

Data collection and programming can be created via the program controller featuring an color display and our APT.COM™ software for remotely through a PC.

TECHNICAL DATA

Description	MK 56	MK 115	MK 240	MK 720
Outer dimensions				
Width net [in]	29.16	38.61	43.9	62.3
Height net [in]	56.9	68	67.6	79
Depth net [in]	30.65	34.08	36.45	44.9
Internal Dimensions				
Width [in]	15.76	23.64	28.96	47.3
Height [in]	16.55	18.91	27.58	40.2
Depth [in]	13.79	15.76	17.45	23.64
Measures				
Interior volume [cu.ft.]	2.1	4.1	8	25.9
Net weight of the unit (empty) [lbs]	370	573	750	1257
permitted load [lbs]	132	132	154	353
Load per rack [lbs]	33	66	66	88
Performance Data Temperature				
Temperature range [°C]	-40...180	-40...180	-40...180	-40...180
Temperature variation depending on setpoint [± K]	0.5...1.5	0.1...2	0.1...1.2	0.3...2
Temperature fluctuation depending on setpoint [± K]	0.1...0.5	0.1...0.5	0.1...0.5	0.1...0.5
Average heating-up rate according to IEC 60068-3-5 [K/min]	5	5.3	5	4
Average cooling down time according to IEC 60068-3-5 [K/min]	5	5	4.5	4.5
Electrical data				
Nominal power (version 230 V) [kW]	2.8	–	–	–
Nominal power (version 240 V) [kW]	2.8	–	–	–
Nominal power (version 400 V) [kW]	–	3.5	5.6	8.7
Fixtures				
Number of shelves (std./max.)	1/4	1/4	1/6	1/11

ORDERING INFORMATION [Art. No.]

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

Voltage	Option model	MK 56	MK 115	MK 240	MK 720
480 V 3~ 60 Hz	with voltage and frequency converter	–	9020-0303	9020-0355	9020-0356
400 V 3~ 50 Hz	Standard	–	9020-0375	9020-0376	9020-0377
240 V 1~ 60 Hz	Standard	9020-0388	–	–	–
230 V 1~ 50 Hz	Standard	9020-0374	–	–	–

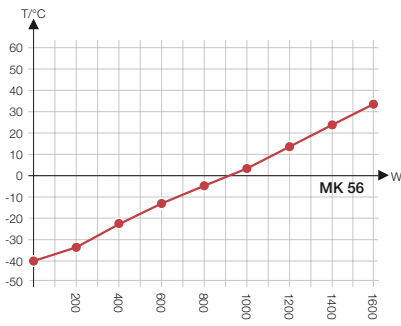
► You will find a selection of options, accessories and services suitable for each product on page 19

EXTRACT OF FULLFILLED STANDARDS

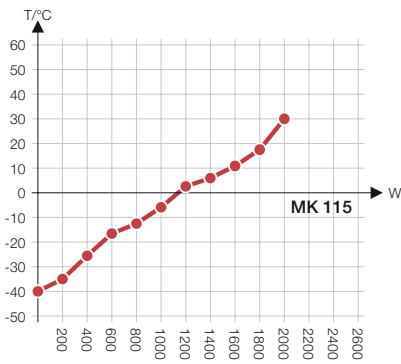
- MIL STD 810:2000-01
- DIN EN 60068-2-14

HEAT COMPENSATION

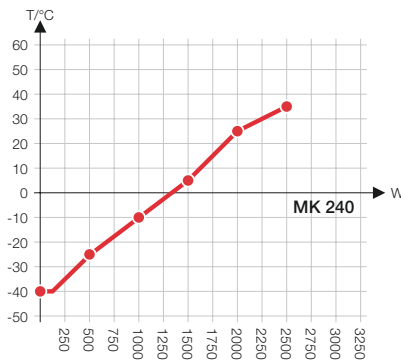
MK 56



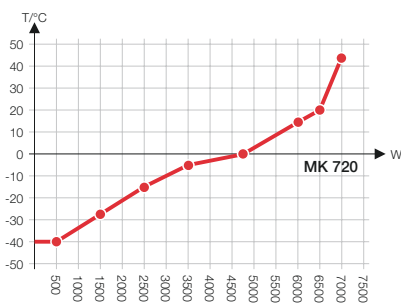
MK 115



MK 240

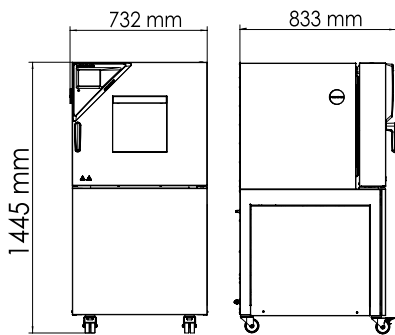


MK 720

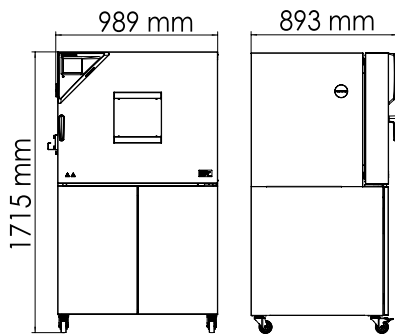


DIMENSIONS INCL. FITTINGS AND CONNECTIONS [MM]

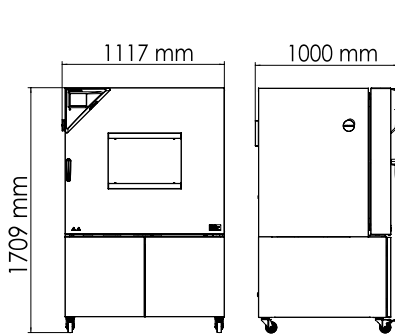
MK 56



MK 115



MK 240



MK 720

