

Environmental Walk-in Chambers



for Stability Testing and Storage



Environmental Walk-in Chambers for Stability Testing and Storage in Three Different Sizes

WIC	Page 3
Technical Data	Page 4
Tecnical drawings	Page 5
Ordering Options	Page 6

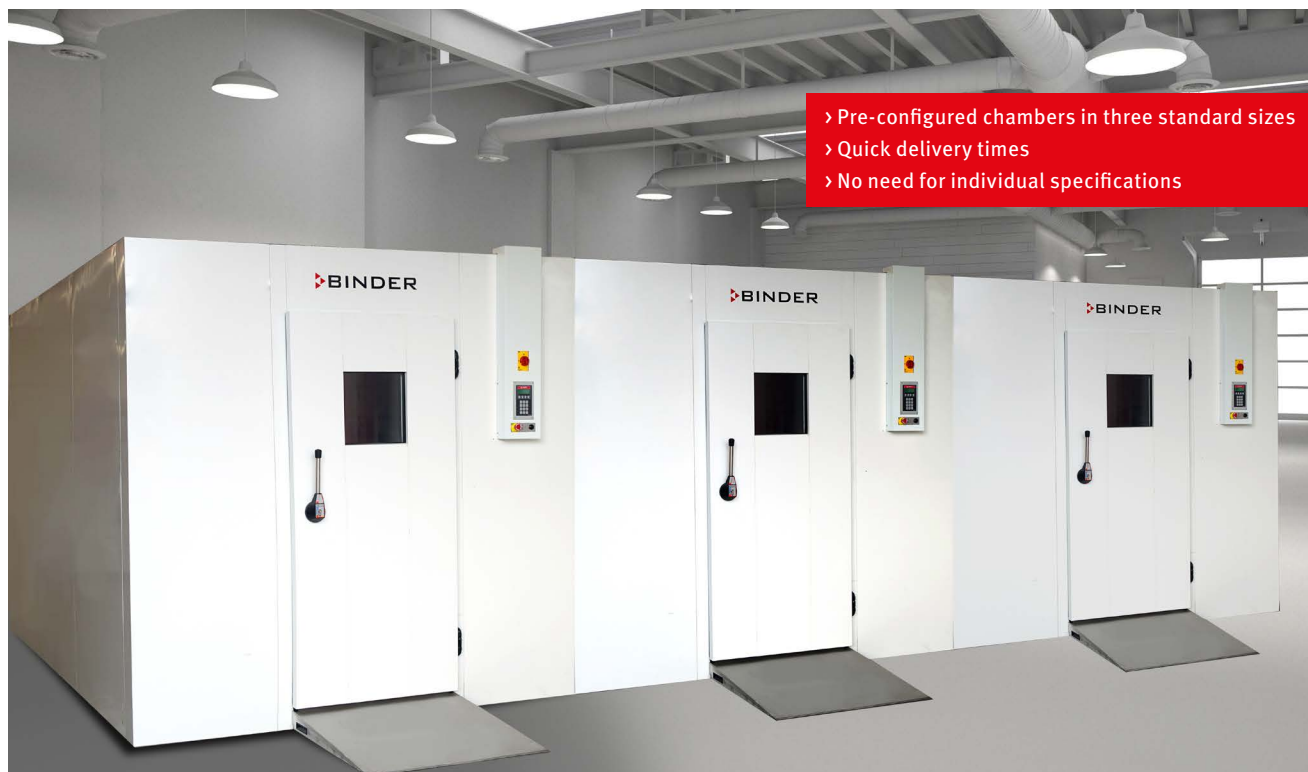
Our Environmental Walk-in Chambers with either 59 sq.ft., 88 sq.ft. or 132 sq.ft. internal dimensions and 8 ft height are an excellent choice for stability testing in Pharma, Food & Beverage, Cosmetics, Material Testing and many other fields of application.

Perfect test conditions are maintained in a wide range of temperature from 50°F to 122°F (10°C to 50°C) and relative humidity of 20% to 90% RH.

In Pharma, our Walk-in Chambers cover long-term and accelerated stability test conditions as specified in the ICH Q1A (R2) for new drug substances and drug products.

Series WIC

Our walk-in chambers are designed and produced in Germany, and the temperature and environmental conditioners are made by Parameter Generation and Control in Black Mountain, NC USA. The chambers offer a wide range of features and benefits to perfectly meet requirements in stability testing.



PRODUCT FEATURES

- Relative humidity accuracy of $\pm 2.5\%$
- Temperature accuracy of $\pm 1.5^\circ\text{C}$
- Duct work for proper distribution of air
- Highly insulated room panels with U value of only $0,21\text{ W/m}^2\text{K}$
- LED Lighting with motion detector
- High quality room elements, made in Germany
- Exterior service accessibility

BENEFITS

- Stable and uniform environment
- Fully complies with Pharma regulations (ICH)Equipment
- Longevity; corrosion resistant
- Ease of operation
- Environmental friendly refrigerant with GWP value 547
- Maintenance possible with the least possible disruption to the climate conditioning
- 3 years warranty

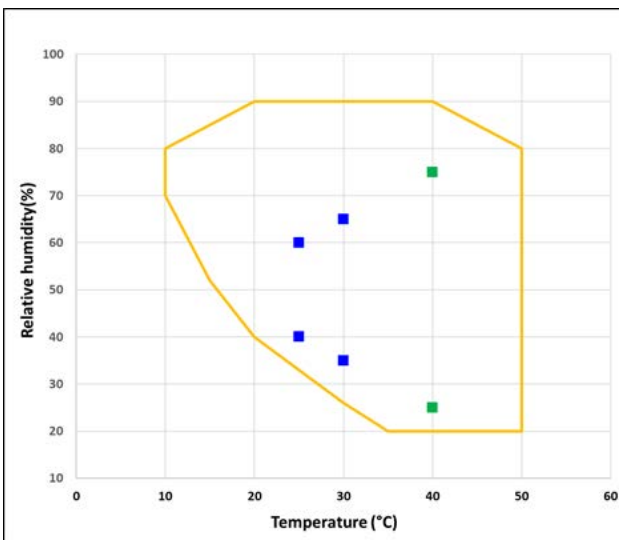
Specification:

Room Elements	Galvanized sheet steel, polyester coated, white, similar to RAL 9010 4 inch / 100 mm PU foam U value: $0,21\text{ W/m}^2\text{K}$
Floor	Floor overlay is chrome-nickel steel, pattern-rolled 5WL Surface load: 1,000 lbs/sq. ft. Wheel load (rubber wheel): 224 lbs on a .62 sq. inch Wheel load (steel wheel): Not passable!
Door	Hinged door (single leaf), door leaf: 4 inch, Clear door opening dimensions: 2'11" / 900 mm x 6'7" / 2000 mm Door version with press lever Viewing window, triple insulated, fixed glass Clear dimensions of window: 14.6 x 14.6 inch

TECHNICAL DATA

Description	
Electrical	
Frequency	60 HZ
Voltage (Mains Power)	208/230 Volts
Phase	1
Full Load Amps	11 Amps, FLA
Typical Running Amps	8 Amps, RLA
Minimum Circuit Ampacity	13 Amps
Maximum External Protector	20 Amps
Maximum Heat of Rejection	6,157 BTU/Hr (1,551 KCAL/Hr)
Heaters, Air	751/918 Watts
Water	
Process Water Max. Pressure	125 PSIG
Process Water Min. Pressure	25 PSIG
Process Water Max. Usage	3 Gal/Day
Max. Condensate Production	3 Gal/Day
Temperature and Relative Environmental Control	
Temperature Range	50-122 °F / 10-50°C
Acceptable Ambient Range	65-95 °F / 18-35°C
Temperature Variantion (Spatial)	±1.5 K
Temperature Fluctuation (Temporal)	±0.5 K
Relative Environmental Range	20-93% RH (limited to 7°C dew point)
Relative Humidity Constancy	±2.5 %Rh
Refrigerant	
R450A	0.4 tons CO2 / 547 GWP

TEMPERATURE-ENVIRONMENTAL CHART



- ICH long term stability testing
- Accelerated stability testing

FEATURES & ACCESSORY



Lockable door. Even when locked, the door can be opened from the inside at any time.



Lighting with motion sensor.



Heavy duty shelves.
Shelf height: 8'7" / 2.007 mm
5 shelf levels standard. Additional shelves optional.
Room lighting with motion detector standard.
Robust stainless steel trolley ramp for safe and convenient access.



Conditioner positioning at backside of chamber.
Low-noise operation and tidy connection lines.
Technology hidden from front view.
Mounting of the conditioner on the front is optionally possible.



INSTALLATION REQUIREMENTS

Installation requirements:

flat, leveled floor

electric power supply 208V / 60 Hz, 11.5 A

feed water (tap water or softened water)

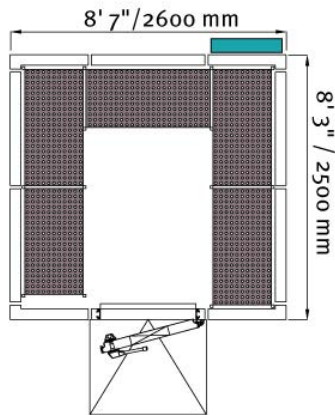
Drain water hose / connection


in-house transportation to side of installation: by the customer.


Chamber: clearance to walls > 2 inch / 40 mm; clearance to wall (door side): 3' 8" / 1100 mm

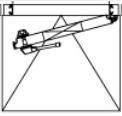
Conditioner: clearance to walls > 3' / 915 mm

WIC 1 | Door on short side

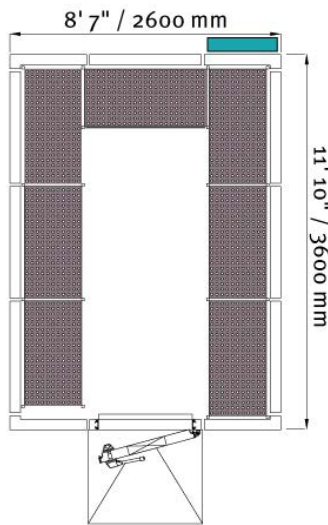



Conditioner footprint: 1'2" / 362 mm x 1'11" / 586 mm

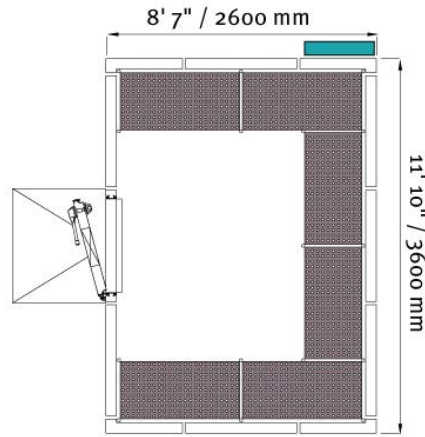

Shelf


Door & Ramp

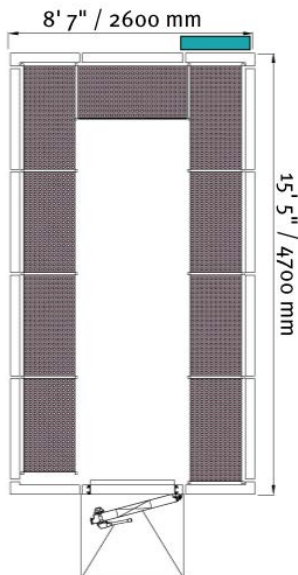
WIC 2 | Door on short side



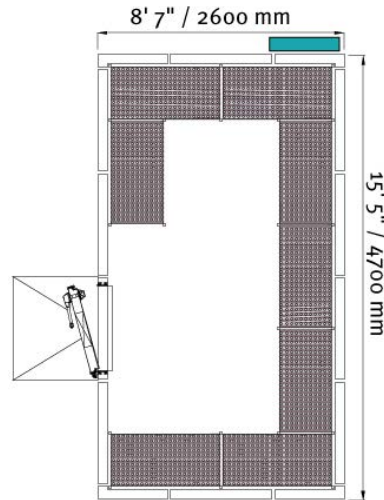
WIC 2 | Door on long side



WIC 3 | Door on short side



WIC 3 | Door on long side



DIMENSIONS (ROOM W/O CONDITIONER, ACCESSORIES)

Room Sizing Options					
Size	Dimensions	Side 1	Side 2	Height	Usable space (shelves)
WIC 1	outer	8' 7" / 2600 mm	8' 3" / 2500 mm	8' 2" / 2470 mm	187 cb.ft. / 5295 liter
	inner	7' 10" / 2400 mm	7' 6" / 2300 mm	7' 5" / 2270 mm	
WIC 2	outer	8' 7" / 2600 mm	11' 10" / 3600 mm	8' 2" / 2470 mm	264 cb.ft. / 7476 liter
	inner	7' 10" / 2400 mm	11' 1" / 3400 mm	7' 5" / 2270 mm	
WIC 3	outer	8' 7" / 2600 mm	15' 5" / 4700 mm	8' 2" / 2470 mm	342 cb.ft. / 9685 liter
	inner	7' 10" / 2400 mm	14' 9" / 4700 mm	7' 5" / 2270 mm	
*with shelf set					
Conditioner, vertical	outer	1' 3" / 362 mm	2' 3" / 586 mm	6' 5" / 1956 mm	

ORDERING OPTIONS WALK-IN CHAMBER MODEL

Walk-in Chamber Model	Description	Order No.
WIC 1 (208 V)	Walk-in chamber, size 1	9800-0001
WIC 1 C (208 V)	Walk-in chamber, size 1, conditioner on Ceiling	9800-0002
WIC 2 (208 V)	Walk-in chamber, size 2	9800-0003
WIC 2 C (208 V)	Walk-in chamber, size 2, conditioner on Ceiling	9800-0004
WIC 3 (208 V)	Walk-in chamber, size 3	9800-0007
WIC 3 C (208 V)	Walk-in chamber, size 3, conditioner on Ceiling	9800-0008

ORDERING OPTIONS ACCESSORY

Accessory	Description	Order No.
Ramp for all WIC models	suitable for all WIC models (208 V)	8012-2155
Shelf set small (for WIC 1 models)	suitable for WIC 1, WIC 1 C (208 V)	8012-2156
Shelf set medium (for WIC 2 models)	suitable for WIC 2, WIC 2 C (208 V)	8012-2157
Shelf set large (for WIC 3 models)	suitable for WIC 3, WIC 3 C (208 V)	8012-2158

SERVICES

Description	Order No.
Installation and Comissioning	DL10-0800
IQ-OQ Qualification	DL40-0200
Service (Preventive Maintenance)	DL20-1000

BINDER products

CO₂ incubators

Incubators

Cooling incubators

Growth chambers

Ultralow temperature freezers

Drying and heating chambers

Safety drying chambers

Vacuum drying chambers

Constant climate chambers

Dynamic climate chambers

Battery test chambers

Multi Management Software

Walk-in-chambers



Never miss a product novelty -
Subscribe and keep up to speed with
the BINDER monthly newsletter.

go2binder.com/en-newsletter-subscription

 **BINDER**
Best conditions for your success

BINDER Inc.
Bohemia, NY, USA

Tel +1 631 224 4340
usa@binder-world.com
www.binder-world.us

