

# Environmental Walk-in Chambers



for Stability Testing and Storage



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

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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

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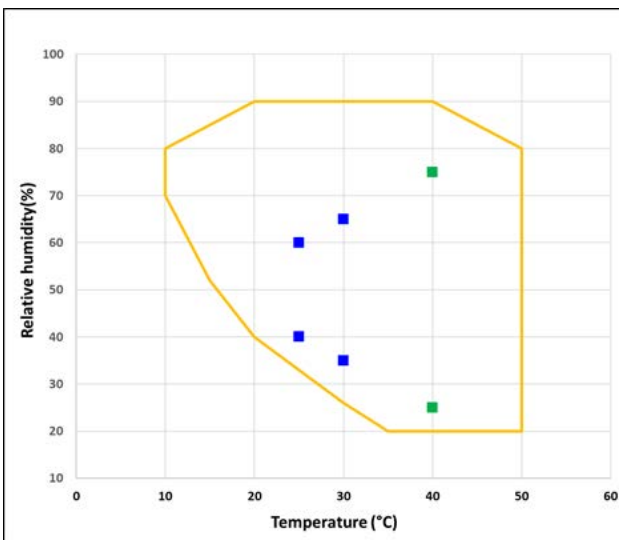
#### Specification:

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	
<b>Electrical</b>	
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
<b>Water</b>	
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
<b>Temperature and Relative Environmental Control</b>	
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
<b>Refrigerant</b>	
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)

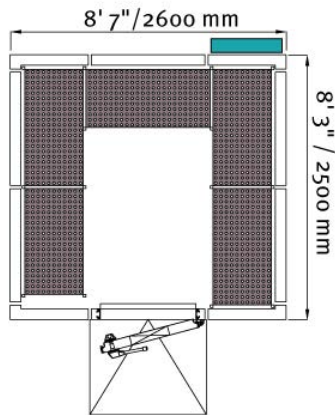
Drain water hose / connection

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

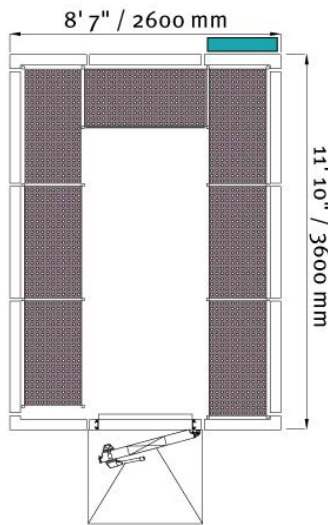


Conditioner footprint: 1'2" / 362 mm x 1'11" / 586 mm

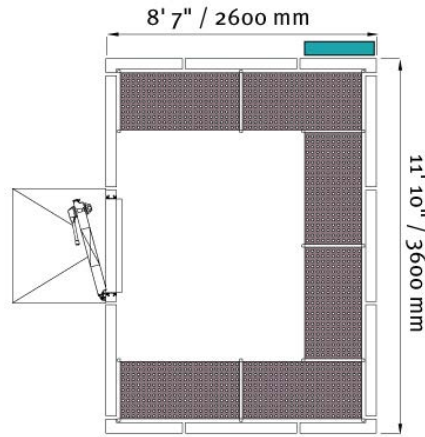
Shelf

Door & Ramp

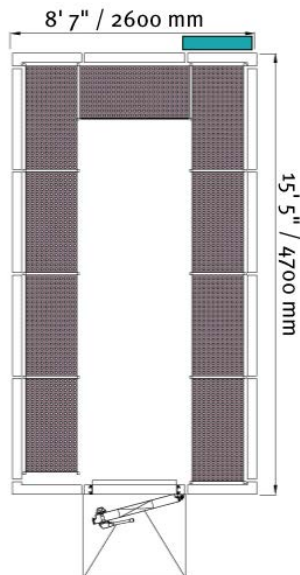
WIC 2 | Door on short side



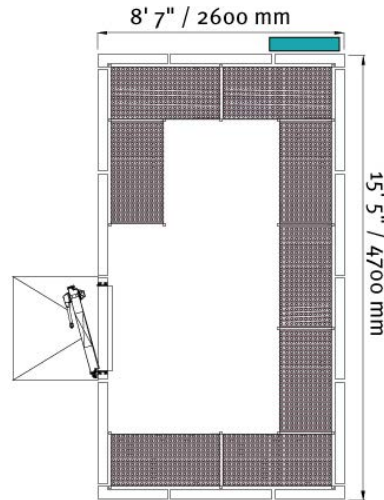
WIC 2 | Door on long side



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 Commissioning	DL10-0800
IQ-OQ Qualification	DL40-0200
Service (Preventive Maintenance)	DL20-1000

# BINDER products

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CO<sub>2</sub> incubators

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Incubators

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Cooling incubators

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Growth chambers

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Ultralow temperature freezers

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Drying and heating chambers

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Safety drying chambers

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Vacuum drying chambers

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Constant climate chambers

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Dynamic climate chambers

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Battery test chambers

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Multi Management Software



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