



WALK-IN CHAMBERS

for Stability Testing and Storage

Walk-in-chambers for Stability Testing and Storage in Three Different Sizes

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Our environmental Walk-in-chambers with internal dimensions of 6 m², 9 m², or 12 m² and a height of 2.3 m are an excellent choice for stability testing in pharmaceuticals, food & beverages, cosmetics, material testing, and many other fields of application.

They maintain perfect test conditions in a wide temperature ranges from 10°C to 50°C and relative humidity ranges from 20% to 90%.

In pharmaceutical fields, our Walk-in-chambers accommodate long-term and accelerated stability test conditions as specified in ICH Q1A (R2) for new drug substances and drug products.

WIC Series

Our Walk-in-chambers are designed and produced in Germany, while the temperature and environmental conditioners are made by Parameter Generation and Control in Black Mountain, North Carolina, USA. The chambers offer a wide range of features and benefits that perfectly meet the requirements of 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 chamber panels with a U value of only $0.21 \text{ W/m}^2\text{K}$
- LED lighting with motion detector
- High-quality chamber elements, made in Germany
- Completely stainless steel interior
- Exterior service access
- 50 mm access port included, additional access ports available

BENEFITS

- Stable and uniform environment
- Fully complies with pharmaceutical regulations (ICH) for equipment
- Durable and corrosion-resistant
- Ease of operation
- Environmentally friendly refrigerant with GWP value of 547
- Maintenance can be performed with minimum disruption to climate conditioning
- Perfectly meets the requirements of the pharmaceutical industry
- 3-year warranty

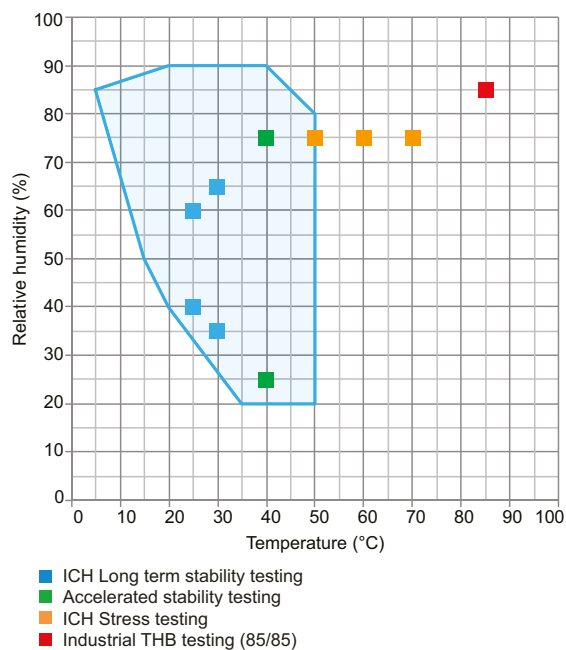
Specifications:

Chamber elements	Galvanized sheet steel, polyester-coated, white, similar to RAL 9010, interior surfaces in stainless steel, 4 inch / 100 mm PU foam, U value: $0.21 \text{ W/m}^2\text{K}$
Floor	Floor overlay: chrome-nickel steel, pattern-rolled 5WL Surface load: $50,000 \text{ N/m}^2$. Wheel load (rubber wheel): $1,000 \text{ N/4 cm}^2$ Wheel load (steel wheel): Not suitable for steel wheels
Door	Hinged door (single leaf), door leaf: 4 inches Clear door opening dimensions: $900 \text{ mm} \times 2,000 \text{ mm}$ Door version with press lever Viewing window, triple-insulated, fixed glass Clear dimensions of window: $370 \text{ mm} \times 370 \text{ mm}$

TECHNICAL DATA

Description	
Electrical	
Frequency	50 Hz
Voltage (mains power)	230 V
Phase	1
Full-load amps	11 A, FLA
Typical running amps	8 A, RLA
Minimum circuit ampacity	13 A
Maximum external protector	16 A
Maximum heat compensation	0,5 kWh/h bei +25°C / 40% rF
Water	
Process water min. pressure	0.02 bar
Process water recommended pressure	1 bar
Process water max. pressure	8,6 bar
Process water max. usage (at 1 bar water pressure)	40 l/d
Max. condensate production	11.4 l/d
Temperature and relative environmental control	
Temperature range	10–50°C
Acceptable ambient range	18–35°C
Temperature variation (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 CO ₂ / 547 GWP

TEMPERATURE ENVIRONMENTAL CHART



FEATURES & ACCESSORIES



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



Lighting with motion sensor



Interior walls and ceiling: stainless steel
Chamber lighting with motion detector as standard

Available accessories:

Heavy-duty shelves. Shelf height 1,800 mm, with 4 shelf levels as standard; additional shelves available

Robust stainless steel trolley ramp for safe and convenient access

Further accessories: see page 7



Conditioner positioned at back of chamber
Low-noise operation and tidy connection lines
Technology hidden from view at the front; external service access point
Conditioner can be positioned at front as an option



INSTALLATION REQUIREMENTS

Installation requirements:

Flat, level floor

Electrical power supply: 230 V / 50 Hz, 11.5 A

Feed water (tap water or softened water)

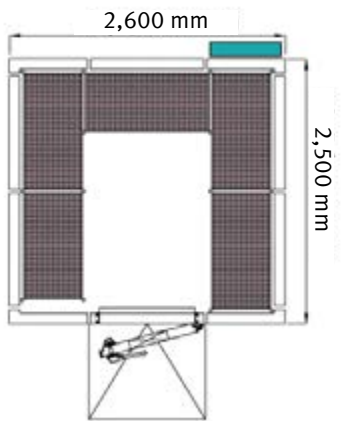
Drain water hose / connection


In-house transportation to side of installation: to be done by customer

Chamber: clearance to walls > 40 mm; clearance to door side: 1,100 mm


Conditioner: clearance to walls > 915 mm

WIC 1 | Door on short side






Conditioner footprint: 362 mm x 586 mm

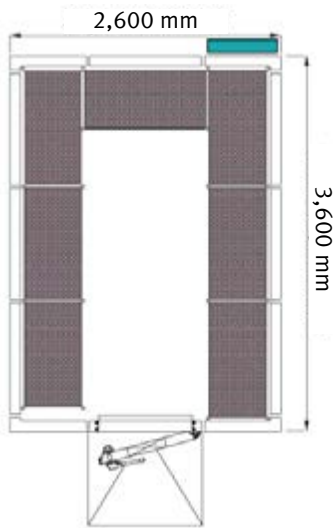


Shelf

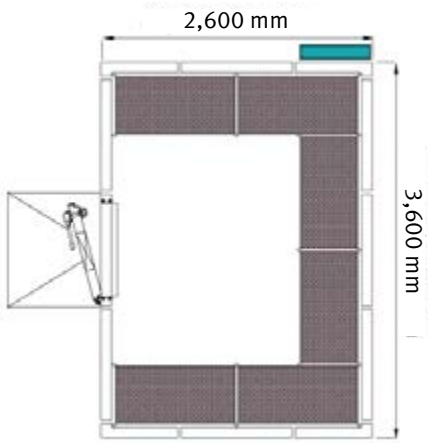


Door & ramp

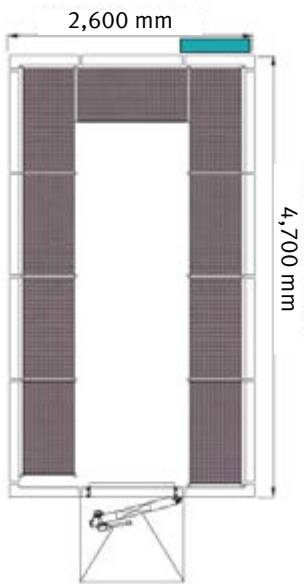
WIC 2 | Door on short side



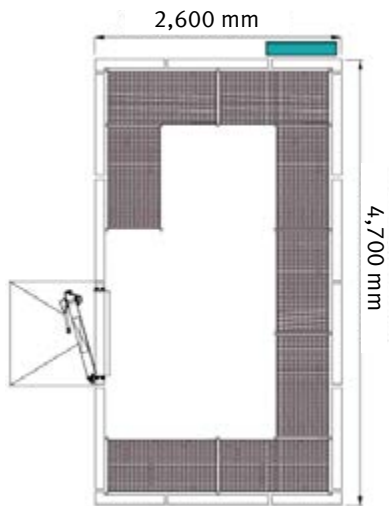
WIC 2 | Door on long side



WIC 3 | Door on short side



WIC 3 | Door on long side



DIMENSIONS (CHAMBER W/O CONDITIONER, ACCESSORIES)

Chamber sizing options					
Size	Dimensions	Side 1	Side 2	Height	Usable space (shelves)
WIC 1	Outer	2,600 mm	2,500 mm	2,470 mm	187 cb. ft. / 5,295 liters
	Inner	2,400 mm	2,300 mm	2,270 mm	
WIC 2	Outer	2,600 mm	3,600 mm	2,470 mm	264 cb. ft. / 7,476 liters
	Inner	2,400 mm	3,400 mm	2,270 mm	
WIC 3	Outer	2,600 mm	4,700 mm	2,470 mm	342 cb. ft. / 9,685 liters
	Inner	2,400 mm	4,500 mm	2,270 mm	
*with shelf set					
Conditioner, vertical	Outer	362 mm	586 mm	1,956 mm	

ORDERING OPTIONS FOR WALK-IN-CHAMBER MODEL

Walk-in-chamber model	Description	Order no.
WIC 1 (230 V)	Walk-in-chamber, size 1	9800-0011
WIC 2 (230 V)	Walk-in-chamber, size 2	9800-0012
WIC 3 (230 V)	Walk-in-chamber, size 3	9800-0013

ORDERING OPTIONS FOR ACCESSORIES

Accessory	Description	Order no.
Ramp for all WIC models	Suitable for all WIC models (230 V)	8012-2239
Shelf set for WIC 1	Suitable for WIC 1 (230 V)	8012-2240
Shelf set for WIC 2	Suitable for WIC 2 (230 V)	8012-2241
Shelf set for WIC 3	Suitable for WIC 3 (230 V)	8012-2242
Access port Ø 30 mm, silicone, 1 port	Suitable for all WIC models	DL10-1000 + 1 x 8012-2293
Access port Ø 30 mm, silicone, 2 ports	Suitable for all WIC models	DL10-1010 + 2 x 8012-2293
Access port Ø 50 mm, silicone, 1 port	Suitable for all WIC models	DL10-1050 + 1 x 8012-2294
Access port Ø 50 mm, silicone, 2 port	Suitable for all WIC models	DL10-1060 + 2 x 8012-2294
more acces ports are available on request		
Monitoring system, APT-COM	Suitable for all WIC models (230 V)	9423-0069
Slat curtain PVC for WIC		8012-2461

SERVICES

Description	Order no.
Installation and commissioning	DL10-0800
IQ-OQ qualification	DL40-0200
Temperature & humidity measurement, 13-1 points, at a given climatic point	DL30-0113
Service (preventive maintenance)	DL20-1000

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

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