



# Reach In Chamber Product Brochure

*High-performance stability storage in a  
compact, energy efficient design*



# INTRODUCTION

MB3 Technical's compact Reach In Chambers bring precision-controlled stability to your lab or facility, maximising laboratory space without compromise. Delivered as part of MB3's turnkey chamber solutions, each unit is expertly built, installed and commissioned for end-to-end compliance in regulated environments.

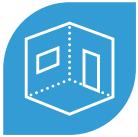
Designed for stability, environmental conditioning, storage, and accelerated ageing studies, these chambers serve the pharmaceutical, food, beverage, research, agricultural, and manufacturing sectors.

This brochure gives an overview of our reach-in chambers. For any questions, or for further details, please contact us.

## CONTENTS

- 2** Introduction
- 3** Key Features & Benefits
- 4** Made In Britain
- 5** Applications
- 6-7** Technical Specifications
- 8** Options & Accessories
- 9** Project Support & Aftercare
- 10** Contact

## WHY MB3 TECHNICAL'S COMPACT REACH-IN CHAMBERS STAND OUT



### Space-Optimised Design

Ideal where floor space is at a premium, with modular sizing tailored to your environment.



### Precise Environmental Control

Temperature ranges from 5 °C to 40 °C, and humidity control from 20% RH to 80% RH, with high uniformity.



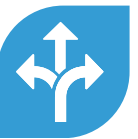
### Fully Compliant

Engineered and delivered to align with ICH, GxP, FDA, and stability testing guidelines.



### Energy Efficiency

Designed for low operating costs and a reduced carbon footprint.



### Flexible & Adaptable

Configure with adjustable shelving, optional refrigeration, or conditioning chambers.



### Turnkey Delivery

From feasibility and design to installation and aftercare, delivered through our ISO 9001:2015 accredited process.



## MADE IN BRITAIN

MB3 Technical is proud to be a certified member of Made in Britain, an organisation that champions British manufacturing excellence. This membership is a mark of quality, integrity, and innovation values that are at the heart of everything we do.

As a UK-based company, we design, manufacture, and deliver our reach-in chambers entirely within Britain. Our commitment to local production supports the national economy, reduces environmental impact, and ensures full traceability and compliance across every stage of development.

### What Does This Mean For You?

- ✓ **Trusted British Quality:** Products built to the highest standards of safety, performance, and reliability
- ✓ **Regulatory Confidence:** Full alignment with UK and international compliance frameworks
- ✓ **Sustainable Manufacturing:** Reduced carbon footprint through local sourcing & production
- ✓ **Responsive Support:** UK-based service teams for fast, knowledgeable assistance

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# APPLICATIONS

Compact Reach-In Chambers are engineered for diverse uses across sectors that demand precision environmental control:

## Pharmaceutical

Drug stability testing, storage, and accelerated aging studies and biological and long-term storage all requires strict regulatory compliance.



## Agricultural

Our stability cabinets offer long-term storage solution and accelerated microbial testing, meeting FSA and FDA compliance standards.



## Manufacturing

Ideal for environmental testing of components, materials, and finished products in manufacturing settings, ensuring performance under controlled conditions.



## Horticulture

Our portfolio includes reliable chambers for precise seed germination studies, long-term seed storage and accelerated experiments.



## TECHNICAL SPECIFICATIONS

Specification	One Door	Two Door	Three Door	Four Door
<b>Internal Dimensions (H x W x D)</b>	2130 x 1230 x 930 mm	2130 x 2130 x 930 mm	2130 x 3030 x 930 mm	2130 x 3930 x 930 mm
<b>External Dimensions (H x W x D)</b>	2290 x 1390 x 1090 mm	2290 x 2290 x 1090 mm	2290 x 3190 x 1090 mm	2290 x 4090 x 1060 mm
<b>Panel Thickness</b>	80 mm			
<b>Insulation Type</b>	PUR			
<b>External Panel Finish</b>	White Epoxy Coating			
<b>Internal Panel Finish</b>	2b 304 Stainless Steel			
<b>Door Openings</b>	2000 x 600 mm			
<b>Door Lock with Internal Release</b>	Yes			
<b>Door Heater</b>	Yes	Yes	Yes	Yes
<b>Door Handing</b>	All configurations can be all left-hand or all right hand hinge			
<b>Number of Doors</b>	1	2	3	4

# TECHNICAL SPECIFICATIONS

Specification	One Door	Two Door	Three Door	Four Door
Temperature Range	20°C – 40°C			
Humidity Range	20%RH – 80%RH			
Validation Tolerance (Temp/Humidity)	±2°C / ±5%RH			
Ambient Tolerance (Chamber/Chiller)	15°C – 30°C			
Shelving Levels	5 as Standard			
Total Shelving Area	4.55 m <sup>2</sup>	8.6 m <sup>2</sup>	12.15 m <sup>2</sup>	15.7 m <sup>2</sup>
Length of One Shelf Level	1050 mm	2.01 m	2.83 m	3.65 m
Total Shelf Length	5.27 m	10.04 m	14.16 m	18.27 m
Shelving Material	2b 304 Stainless Steel			
Air Circulation Fans	1	2	2	2
Humidifiers	1	1	1	1
Dehumidifiers	Dependant on Application			
Coolant System Type	Indirect			
Condensate Removal Pump	Yes			
Data Recording	Options Available on Request.			
Alarms (Temp/Humidity/Chiller/etc.)	High and low temperature, high and low humidity, door open, fan failure, water flood detected, chiller fault			

## OPTIONS & ACCESSORIES

### Shelving Flexibility

Additional stainless-steel shelving for diverse product layouts.

### Power

Backup power integration for uninterrupted operation.

### Security

Enhanced door security with electronic lock systems.

### Data Management

Advanced data logging, monitoring, and remote access upgrades are available.

### Compliance Services

Validation, commissioning, and calibration services for compliance integrity.

### Inhouse Construction and Services

Enabling works for chamber installations





# PROJECT SUPPORT & AFTERCARE

## Full-Service Installation

Managed and delivered by our experienced field engineers

## Regulatory-Ready Validation

Complete documentation to support audit and compliance processes

## Maintenance Programs

Scheduled upkeep to sustain performance and extend lifespan

## Swift Service Response

Nationwide coverage for minimal downtime

## Upgrades & Expansions

Flexibility to adapt to changing operational requirements





## CONTACT

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