



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.

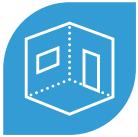
Designed for stability, environmental conditioning, storage, and accelerated in ageing studies, these chambers serve the pharmaceutical, food, and beverage, research, agricultural, and manufacturing sectors.

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.



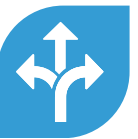
Fully Compliant

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, and tailored ventilation.



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

Visit Our Member Profile

 madeinbritain.org/members/mb3-group-limited

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.



Food & Beverage

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



Manufacturing Equipment Chambers

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



Seed Storage

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
Internal Dimensions (H x W x D)	2130 x 1230 x 930 mm	2130 x 2130 x 930 mm	2130 x 3030 x 930 mm	2130 x 3930 x 930 mm
External Dimensions (H x W x D)	2290 x 1390 x 1090 mm	2290 x 2290 x 1090 mm	2290 x 3190 x 1090 mm	2290 x 4090 x 1060 mm
Panel Thickness	80 mm			
Insulation Type	PUR			
External Panel Finish	White Epoxy Coating	White Epoxy Coating	White Epoxy Coating	White Epoxy Coating
Internal Panel Finish	2b 304 Stainless Steel			
Door Openings	2000 x 600 mm			
Door Lock with Internal Release	Yes			
Door Heater	Yes	Yes	Yes	Yes
Door Handing	Left Hand Hinge			
Number of Doors	1	2	3	4

TECHNICAL SPECIFICATIONS

Specification	One Door	Two Door	Three Door	Four Door
Temperature Range	20°C – 40°C	20°C – 40°C	20°C – 40°C	20°C – 40°C
Humidity Range	20%RH – 80%RH			
Validation Tolerance (Temp/Humidity)	±2°C / ±5%RH	±2°C / ±5%RH	±2°C / ±5%RH	±2°C / ±5%RH
Ambient Tolerance (Chamber/Chiller)	15°C – 30°C	15°C – 30°C	15°C – 30°C	15°C – 30°C
Shelving Levels	5 as Standard			
Total Shelving Area	4.55 m ²	8.6 m ²	12.15 m ²	15.7 m ²
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. Alarm List Needed			
Alarms (Temp/Humidity/Chiller/etc.)	Yes (All)	Yes (All)	Yes (All)	Yes (All)

OPTIONS & ACCESSORIES

Shelving Flexibility

Additional stainless-steel shelving for diverse product layouts.

Power

Backup power integration for uninterrupted operation.

Security

Enhanced door security with 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

MB3 Technical


Spireview Cottage

Cresswell Road

Stone

ST15 8RF

 www.mb3group.co.uk

 0161 327 1963

 info@mb3group.co.uk