



Stability chambers installed at South African pharmaceutical site by Lasec®

## ARALAB

## WALK-IN STABILITY CHAMBERS

Partnering with Portuguese manufacturer, **ARALAB**, Lasec® is fully equipped to offer an optimal solution for reach-in or walk-in stability chambers. ICH, GMP and FDA compliant temperature and humidity stability storage rooms or cabinets for stability studies, shelf-life and package testing are our speciality!

We have successfully designed, constructed and qualified no less than six walk-in climate controlled chambers for pharmaceutical manufacturers in the past year.

### PROJECT PROCESS:

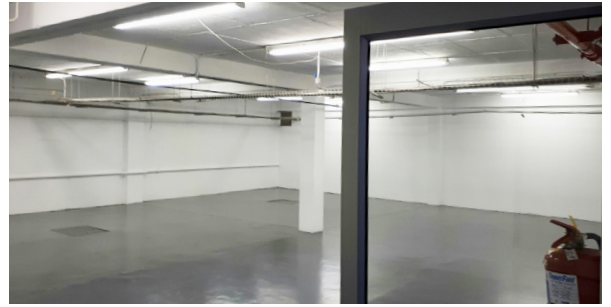
1. Technical Consultation
2. Customised Design
3. Technical Drawings
4. Manufacture and Factory Acceptance Test
5. Logistics and Shipment
6. Installation, testing and qualification
7. Service Level Agreements and Preventative Maintenance Plans



Aralab stability chamber control panel

## 1 TECHNICAL CONSULTATION

Our team of experts consult in fine detail with project managers, scientists and technical staff of the pharmaceutical facility on the climate chamber requirements. A thorough site evaluation is then performed to assess the area where the installation is destined to take place.



Empty room prior to stability chamber installation

## 2 CUSTOMISED DESIGN

Using information gleaned from the technical consultation process, where necessary, the manufacturer's engineers custom design a chamber fit for purpose.



3D rendering of stability chamber design

## 3 TECHNICAL DRAWINGS

Technical drawings are communicated to the project manager and further recommendations are incorporated into the design and specification, prior to issuing a quotation. The quotation then includes all aspects of project completion including costs for installation and qualification of the chamber once complete.



Technical drawing of stability chamber



## 4 MANUFACTURE AND FACTORY ACCEPTANCE TEST

Once the scope of the project is finalised, the quotation has been accepted and an order placed with the manufacturer, production of the chamber commences. The chamber is fully assembled at the factory for evaluation. During this process, the unit may be subjected to a factory acceptance test, in collaboration with a client-nominated validation officers and / or engineers, should they choose to invest in a factory visit.



Factory testing of stability chambers at Aralab production facility

## 5 LOGISTICS AND SHIPMENT

Following completion of the factory acceptance test, the chamber is disassembled and shipped via container to the destination, fully facilitated by Lasec® and our experienced logistics team.



Stability chambers shipped via container from Portugal

## 6 INSTALLATION, TESTING AND QUALIFICATION

Lasec® has invested in a team of service engineers trained by the manufacturer at their factory to be able to fully accomplish onsite assembly and installation. This process is followed by completion of IQOQPQ protocols in collaboration with client's validation departments and personnel.



Lasec® technicians programming a stability chamber

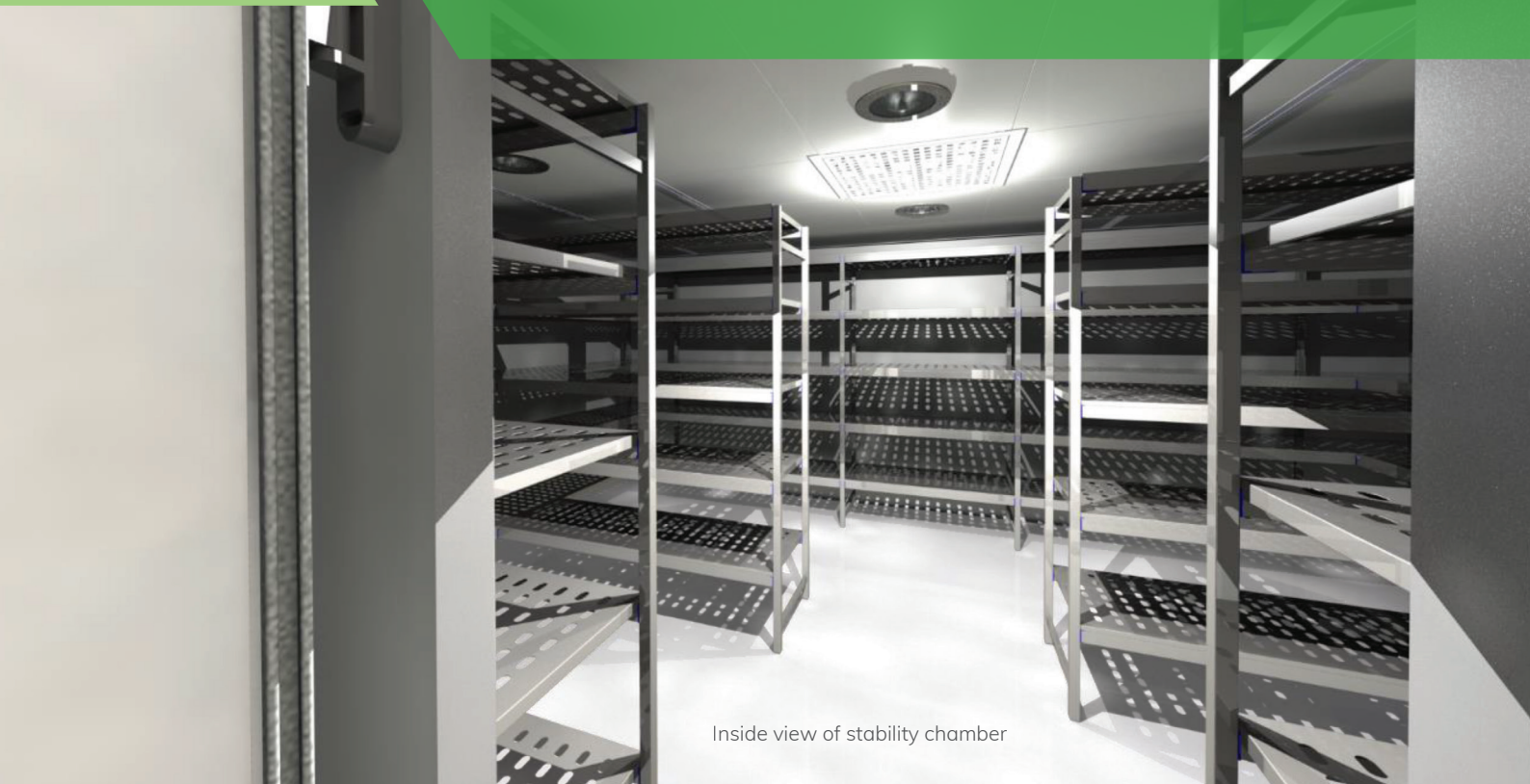
## 7 SERVICE LEVEL AGREEMENTS AND PREVENTATIVE MAINTENANCE PLANS

Worry-free use of these important pieces of equipment is ensured with a service level agreement covering regular preventative maintenance by our qualified service engineers. Service level agreements include recommendations and provisions for essential operating parts and spares.

**Allow Lasec® to work with you on a project to achieve absolute peace-of-mind for your stability and photostability testing.**



Authorisation letter stipulating Lasec® as qualified installers and service engineers



Inside view of stability chamber

## MORE CLIMATE CHAMBERS FROM LASEC®

**memmert**

**aralab**



Memmert HPP 110  
Plus Twin Display



Memmert HPP 1400



Aralab FitoClima  
600 PLH-R



Aralab Reach-in  
Testing Chambers

