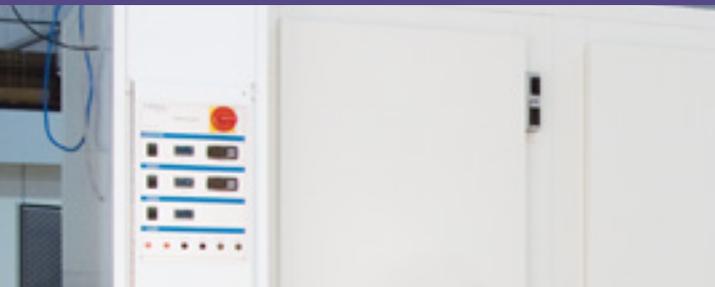


Stability & Bio Storage



**Reach-in controlled
environment rooms for
stability storage**

Reach-in Stability Storage Rooms

The Source BioScience 5900 series of reach-in stability rooms provide high capacity storage with a footprint of not much more than a cabinet.

Manufactured to the same exacting standards as our Source BioScience walk-in stability rooms - the 5900 series reach-ins are designed to suit a variety of storage applications and are available left or right handed.

Operating Conditions

Source BioScience stability storage reach-in stability rooms are designed to work at a wide range of temperatures from -25°C to 40°C and humidity levels from 20% to 75%RH as standard. Bespoke conditions are also available.



Specifications

Operating Conditions

Source BioScience reach-in rooms offer a typical uniformity of better than $\pm 1^\circ\text{C}$ and $\pm 3\%\text{RH}$.

The letter suffix at the end of the product number indicates its available operating conditions as shown in the table -e.g: a 5902-S is a 2 door reach-in with a temperature range of 25°C to 40°C and a humidity range of 60%RH to 75%RH.

We also offer -20°C and other conditions so ask us about your custom application. Dual refrigeration units are available for mechanical redundancy and reduced temperature spikes during the defrost cycle.

Physical Specifications

Model	5901	5902	5903	5904
External Height (mm)	2220	2220	2220	2220
External Width (mm)	1320	2220	3120	4020
External Depth (mm)	1020	1020	1020	1020
Internal Height (mm)	1700	1700	1700	1700
Internal Width (mm)	1080	1980	2880	3780
Internal Depth (mm)	900	900	900	900
Internal Capacity	1650 litres	3000 litres	4400 litres	6000 litres
External Finish	White 9010 (RAL) epoxy coating			
Internal Material	Grade 304 stainless steel			
Doors	1	2	3	4
Electrical Supply	230V/1P/16A			

SUFFIX	Temp Range (°C)	Humidity Range (%RH)
S	25 to 40	60 to 75
SM	25 to 40	20 to 75
R1 (1 chiller)	2 to 8	N/A
R2 (2 chillers)		
Freezer	-20	N/A

Room Shell

Our reach-in rooms are constructed from self-supporting pre-fabricated, 60mm thick panels, which lock together by a "cam-lock" system. The panels comprise of two steel skins that are injected with, CFC free, polyurethane foam, thus creating an insulated "sandwich" panel.

External Finish is white 9010 (RAL) epoxy coating. Internal Finish is Grade 304 stainless steel. This provides a surface that will withstand the specified temperature and humidity, will not rust over time and is easy to clean.

Doors

Reach-in doors are manufactured from the same materials as the wall and ceiling panels. The standard size door opening is 620mm wide and 2010mm high.

Doors can be either left hand or right hand hinge, dependent upon customer specification. Each door is fitted with a key operated lock on the outside handle of the room.

Shelving

Each reach-in comes standard with 5 levels of shelving, adjustable in 50mm increments. The shelves are composed of grade 304 stainless steel.

Shelving is solid to provide laminar airflow complimented by our ducted design described below.

Ducting System

All reach-in rooms utilise laminar airflow for circulation. The plenum under the bottom shelf draws air evenly across the shelving from wall to wall, and returns it back to the plenum.

The plenum contains all of the fans, heating elements, and cooling coils, which all work together to ensure a tight uniformity throughout the chamber. By simply removing a few screws on the bottom panel within the chamber, all parts can be easily accessed and serviced.

Condensate Pump

A condensate pump is included with all reach-in rooms. This pump is located in the base of the main control tower at the front of the room. A drip tray collects any condensation that has dropped off the coiling coils within the room.

As the water in the pump reaches a float switch, the pump is activated and the water is sent to a drain. The condensate pump has the capability of 65 feet of head pressure.

Source BioScience manufactures validatable controlled environment reach-in rooms, walk-in rooms and cabinets that provide the climatic conditions specified in the ICH Tripartite guidelines, simulating the conditions of all four climatic zones for long-term, intermediate and accelerated testing.

Our product range includes both standard and customised environmental rooms and cabinets offering various modes of operation - all of which are specifically designed to include features that allow the user to select the most relevant type for a particular application.



1 door reach-in - 5901

Our systems are designed to meet the most rigorous of customer requirements while providing temperature and humidity control where precision is a principal component.

Not only a manufacturer, Source BioScience is a leading provider of temperature and humidity controlled services to the pharmaceutical R&D, manufacturing, bio, chemical, healthcare and heritage markets.

Validation

Source BioScience also offers a comprehensive validation package - both on newly installed equipment and existing environmental rooms, chambers and associated equipment such as data loggers etc. All reference standards are regularly calibrated by UKAS accredited laboratories and are traceable to national standards.

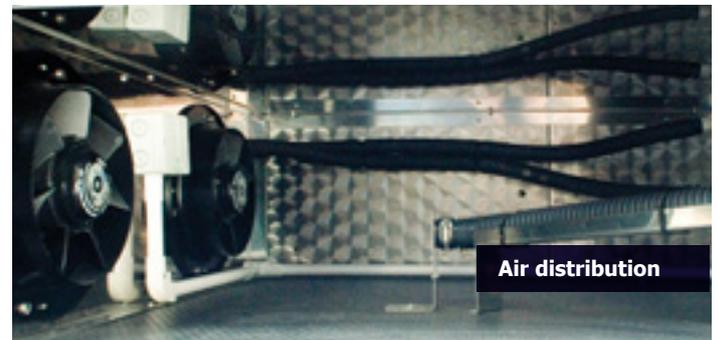
Our service comprises four main areas:

Installation Qualification (IQ): consisting of electrical safety inspection and testing, mechanical inspection and component checklists.

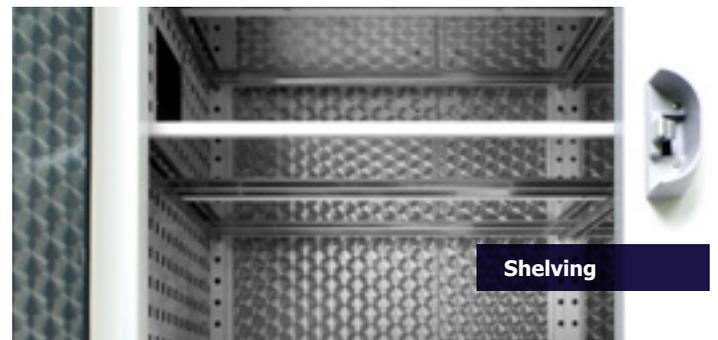
Operational Qualification (OQ): consisting of a single-point calibration, recording of all controller settings and programming, functional testing of environmental chambers.

Calibration Qualification (CQ): is the calibration of the data logger and probe set to be used in performance of PQ.

Performance Qualification (PQ): consists of multiple-point performance mapping of the environmental chambers.



Air distribution



Shelving



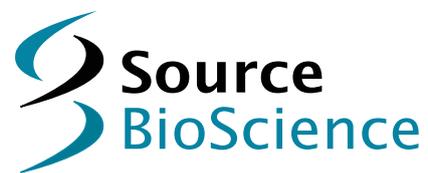
2 door reach-in - 5912
(left-hand hinged)



2 door reach-in - 5912
(left-hand hinged)



3 door reach-in - 5913
(left-hand hinged)



Healthcare

LifeSciences

Stability & BioStorage

Source BioScience
1 Orchard Place
Nottingham Business Park
Nottingham
NG8 6PX

tel: +44 (0)115 973 9018

sales@sourcebioscience.com
www.sourcebioscience.com