

## Stability Chamber

The Cominus stability chamber guarantees precise and effective tests thanks to its two installable controllers: PID and HMI PLC. The process can be fully automated in order to constantly monitor the parameters and perform climatic tests at a constant temperature.

The so-called stability tests of drugs or medications can be performed in a laboratory setting using a pharmaceutical stability chamber. This equipment enables the control, monitoring, and documentation of variables like temperature, humidity, differential pressure, lighting, gas levels, and other environmental conditions.

To conduct this type of testing, these chambers are specialised incubators that can be programmed to mimic environmental conditions. A batch of drugs can be placed inside a stability chamber for a predetermined amount of time (for example, one month or one year), after which the impact on the product's quality will be periodically assessed. These tools can also be used to estimate the shelf life and expiration date of medications and in investigations of accelerated ageing more accurate experimentation while also being energy-efficient.



## Features

- **Temperature and Humidity Control:** The Stability Chamber boasts a wide temperature range, allowing you to create the ideal testing environment. With a **temperature range from 20 to 60 °C**, you can simulate a broad range of conditions to meet your specific needs. Additionally, the **humidity range of 55 to 99%** ensures precise control over the moisture levels within the chamber, enabling accurate testing and research.
- Microcontroller-Based PID Control.
- **Environmentally Friendly:** Cominus Scientific is committed to sustainable practices. The Stability Chamber features a CFC-free cooling system, minimizing its impact on the environment while still delivering superior performance.
- High accuracy and uniformity.
- Safe audio-visual alarm.
- Double wall with puff insulation.
- Safety for boiler protection.
- **Ease of Use and Mobility:** Designed for convenience, our Stability Chamber features castor wheels, allowing for effortless mobility. You can easily move the chamber within your facility, enabling flexibility in laboratory setups and facilitating smooth workflow management. Moreover, the chamber is available with both a glass door and a metal door, providing you with options based on your specific requirements.
- Enhanced Functionality: To accommodate various sample sizes, the Stability Chamber is equipped with 2-4 shelves, depending on the volume of the chamber.
- Complete SS model available.
- Complete with DQ, IQ, QQ, PQ, SOP & maintenance manual.

## Technical Specifications: -

Model	CM-SC-S-20	CM-SC-S-32	CM-SC-S-40	CM-SC-S-60	CM-SC-S-100
<b>Capacity (Litres)</b>	200	320	400	600	1000
<b>Internal Dimension</b>	800 x 500 x 500	850 x 620 x 620	1200 x 600 x 600	1200 x 625 x 800	1500 x 800 x 800
<b>External Dimension</b>	1300 x 700 x 1100	1350 x 820 x 1220	1700 x 800 x 1150	1700 x 825 x 1200	2050 x 995 x 1400
<b>Temperature Range (°C)</b>	20 to 60 °C	20 to 60 °C	20 to 60 °C	20 to 60 °C	20 to 60 °C
<b>Humidity (%)</b>	55 to 95%	55 to 95%	55 to 95%	55 to 95%	55 to 95%
<b>Alarm</b>	Audio Visual	Audio Visual	Audio Visual	Audio Visual	Audio Visual
<b>Microcontroller Based</b>	PID Controller	PID Controller	PID Controller	PID Controller	PID Controller
<b>No. of Shelves</b>	2-4 Nos of shelf as per volume.	2-4 Nos of shelf as per volume.	2-4 Nos of shelf as per volume.	2-4 Nos of shelf as per volume.	2-4 Nos of shelf as per volume.
<b>MOC internal</b>	AISI 304	AISI 304	AISI 304	AISI 304	AISI 304
<b>MOC Body</b>	MS + AISI 304	MS + AISI 304	MS + AISI 304	MS + AISI 304	MS + AISI 304
<b>Castor Wheel</b>	Yes	Yes	Yes	Yes	Yes

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