

The CHG300 is a humidity generator perfectly suited for midsize volumes like gloveboxes or enclosures. Available in two models: the CHG300 (humidity control) and the CHG300-TC (humidity and temperature control) offer dynamic humidity control for chamber volumes up to 500 l and static control for chamber volumes up to 1000 l. This allows testing under controlled climatic conditions while maintaining flexibility in both setup and test equipment.

Its humidity and temperature sensor is ideally placed within the target system close to the device under test. This placement enables a fast, stable, and robust closed-loop regulation.

The CHG300 easily adapts to existing target systems with its flexible positioning of the air outlets and multiple connection options. Equipped with an intuitive 10" touchscreen interface, the CHG300 simplifies operation.

Designed for efficiency, the CHG300 uses a constant air circulation method to minimize carrier gas consumption.

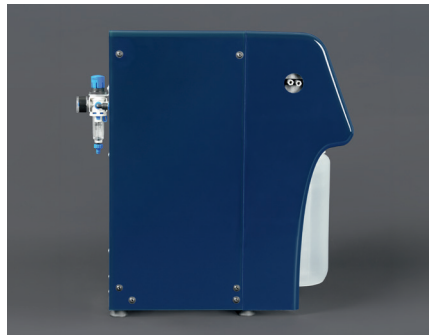
Different Models

CHG300: humidity control

CHG300-TC: humidity and temperature control

Application Area

Glove boxes, humidity controlled ovens, humidity controlled housings, Dessicators, Incubators etc.



Technical data

Chamber Volume	10 l - 500 l for dynamic control (Up to 1000 l for static control)
Flow	Max. 25 l/min
Chamber climate	0 % - 98 % RH Max: 75 °C with 98 % (max humidity decreases with higher temperature)
Supplied Power for Temperature Regulation via Peltier-Module	550 W (only CHG300-TC)
Voltage Range - Power Supply	100 - 240 VAC, 50 - 60 Hz Consumption: max. 650 W (TC: max. 1.3 kW)
Gas supply	Nitrogen, Compressed Air (dry, oil free), Helium, CO ₂ , Argon 2.5 - 6 bar, dry, clean, oil-free (class 1, ISO 8573-1:2010)
Water supply	Removable tank, 2000 ml
Ambient condition	15 °C - 35 °C, 20 - 75 % RH
Communication	USB Modbus Protocol
Dimensions	Width: 238 mm, Height: 452 mm, Depth: 433 mm, Weight: 6.5 kg (TC: 8.1 kg)