

CHG300



The CHG300 is a humidity generator designed for test chambers with volumes ranging from 10 to 500 liters. Available in two models: the CHG300 (humidity control) and the CHG300-TC (humidity and temperature control), it ensures precise climate regulation. Temperature / Humidity control is a closed loop regulation with the sensor placed next to the sample under test.

Equipped with an intuitive touchscreen HMI, the CHG300 ensures straightforward operation. Climate data is stored internally and can be accessed via an external PC. For seamless integration, the CHG300 can be fully controlled remotely via dedicated PC software. Designed for efficiency, the CHG300 uses the constant air circulation method to minimize carrier gas consumption. Flexible attachable to left or right side of the instrument.

Different Models

CHG300: Humidity control

CHG300-TC: Humidity and temperature control

Application Area

Glove boxes, humidity controlled ovens, humidity controlled housings, Dessicators, Incubators, Test chamber, Sample preparation;



Technical data

Chamber Volume	10 l - 500 l (Higher volume is possible with slower reaction time of regulation)
Flow	up to 25 l/min
Chamber climate	0 % - 98 % Max: 75 °C with 98 % (max. humidity decreases with higher temperature)
Heating / Cooling Power*	400 W 24 V (CHG300-TC)
Voltage Range - Power Supply	100 - 240 VAC, 50 - 60 Hz Consumption: 450 W (900W TC)
Gas supply	Nitrogen, Compressed Air (dry, oil free; class1, ISO 8573-1:2010), Helium, Co2, Argon, 3 - 6 bar (dry, clean, oil-free)
Water supply	Removable tank, 2000 ml
Environmental condition	5 °C - 50 °C
Communication	USB Modbus Protocol

*For user configurable heater or peltier element