The extremely powerful MHG100 is designed for applications requiring high flow rates like open systems or large volume chambers. A closed loop regulation with controlled temperature provides with precise humidity regulation even at demanding applications.

**Technical data**

**Gases:** Air, N₂, Helium, CO₂, Argon

**Operating pressure:** 2 bar ... 6 bar

**Flow rates:** 0 ... 15 l/min

**Temperature range:** +5 °C ... + 90 °C *

**Humidity range:** 5 % RH ... 95 % RH**

**Humidity accuracy:** ±0.6 % RH (0 ... 100 % RH) at 23 °C ±5 °C

**Long term stability:** Better than 1 % RH per year***

**Dimensions**

**Control unit:**
- Width: 448.9 mm
- Depth: 435.5 mm (not including tubing connectors)
- Height: 140 mm
- Weight: 13.5 kg

**Supply lines:**
- Two heated supply lines:
  - Tube 1/right: length = 1200 mm
  - Tube 2/left: length = 1100 mm
  - Diameter = 41 mm
  - Minimum bending radius = 150 mm

**Water supply:**
- Removable tank with 700 ml content

**Environmental conditions**

**Temperature:** +15 °C ... +35 °C

**Humidity:** +75 % RH max.

**Power Supply:**

**Voltage:** 88 - 264 VAC 47 - 63 Hz

**Power:** 320 W

**Interfaces:**
- Graphical User Interface (Eurotherm 3504)
- MHG Control software via RS232 Interface
- Ethernet Interface (optional)

* Note: Maximum gas temperature = 75 °C, for temperatures below room temperature an interface to an external cooler is provided

** Note: Minimum humidity value is depending on the water content of the gas supply.

*** Note: Based on sensor Hygroclip S2.