

## MHG32 – Technical Data

### Modular Humidity Generator – humidity regulation at the spot

<b>Gases:</b>	Air, N <sub>2</sub> , Helium, CO <sub>2</sub> , Argon
<b>Operating Pressure:</b>	1 bar ... 6 bar
<b>Flow rates:</b>	5 ... 500 ml/min
<b>Temperature Range:</b>	+2 °C ... + 95 °C
<b>Humidity Range:</b>	2 % r.H. ... 98 % r.H.*
<b>Humidity Accuracy:</b>	± 0.6% r.H. (0 ... 100% r.H) at 23°C ± 5°C
<b>Long term stability:</b>	better than 1% r.H. per Year**

#### Dimensions

<b>Control Unit:</b>	Width: 448.9 mm Depth: 315.5 mm (not including tubing connectors) Height: 140 mm Weight: 6.5 kg
----------------------	---

#### Mixer Unit

Width: 32 mm Depth: 23.5 mm (not including tubing connectors) Height: 32 mm Weight: 0.2 kg
--

<b>Water Supply:</b>	Removable Tank with 700ml content
----------------------	-----------------------------------

#### Environmental Conditions:

<b>Temperature:</b>	+15 °C ... +25 °C
<b>Humidity:</b>	+75% r.H. max.

#### Power Supply:

<b>Voltage:</b>	90 – 135, 170 – 364 VAC
<b>Power:</b>	70 W

<b>Interfaces:</b>	Graphical Userinterface (Eurotherm 3504) RS232 Interface Ethernet Interface (optional)
--------------------	---

\*Note: Minimum humidity value depending from water content of gas supply.

\*\*Note: Based on sensor Hygroclip ST.