

Two Gas Mixer 2GF_Mixer

- Works with any brand microscope incubator
- CO₂ concentrations in the 0-15% range
- Reusable PTFE membrane filter

Description

2GF_Mixer is a two gas mixer, it is generally used to generate CO₂-Air mixtures with an adjustable CO₂ concentration in the range 0-15%. 2GF_MIXER can be used as a stand-alone device as well as in combination with any kind of microscope incubator.

Air and CO₂ flows are regulated by two floating ball flow meters in the range 0.2 – 1.7 NI/min and 0.013 – 0.13 NI/min, respectively. As an example, Table 1 reports a set of flow rates to obtain a concentration of CO₂ equals to 5%.

A more Comprehensive table is reported in the manual.

Specifications

Second gas set point range	0-15%
Accuracy of second gas concentration	±0.1%
Filtering device	Reusable PTFE membrane with 0.2 mm pores
Compatibility	Any microscope incubator

Physical Dimensions:

(L x W x H)	220 x 128 x 178 mm
Weight	1.9 kg



Target Gas Percentage [%]		Gas flow rate values to set [NI/min]		TOTAL
Air	CO ₂ [%]	Air	CO ₂ [%]	
95.0	5.0	0.8	0.04	0.84

Table 1.

Air / CO₂ flow rates to obtain a 5% CO₂ mixture

2GF_MIXER is equipped with the following accessories:

- gas filter
- pressure gauge for CO₂ with regulator
- two white rigid tubes of 6mm O.D. 3m long
- one blue rigid tube of 6mm O.D. 2 m long

Ordering Information

Cat. No.	Model	Product
99-0484	2GF_MIXER	Two Gas Mixer