GAS MIXER MG 50-MEM+

Electronic gas mixing system with motor driven mixing valve for various technical applications. A further innovation founded on the basis of the well proven WITT-mixing valve technology.

Benefits

- fast mixing adjustment < 3 sec. by simultaneous adjustment of mixing valves
- control by PC, PLC of machine, etc.
  - remote control
  - easy documentation of parameter settings to meet quality management requirements
  - only one control unit for an infinite number of mixing systems
  - monitoring of parameters and valve positions possible at any time
  - current position is readable on display

Note: Features depend on the type of the control system used.

- mixture settings in steps of 0.1%
- high mixing accuracy
- simple to operate via touch-screen (after activation)
- gas mixers can be linked to PC or PLC (e.g. CAN-Bus option)
- due to the real zero flow it is possible at mixers with 3 gas mixtures to mix 2 gas mixtures
- independent of pressure fluctuations in the gas supply
- independent of packaging speeds and sizes of packages (packaging industry)
- integrated monitoring of gas supply for higher process safety. Low pressures trigger an alarm and a potential free contact (e.g. to shut down machinery and avoid quality problems)
- perfect hygiene due to splash-proof housing with smooth, easy to clean surfaces of brushed stainless steel
- inlet pressure failures are displayed

Options

- continual monitoring and documentation of gas mixtures by optional gas analyser
- pre-assembly of mixer on receiver for easier on-site installation
- audible alarm
- visual alarm (flash light)

Attention: These mixers require a receiver with sufficient volume (according to output from 100 to 250 Litre)

Please identify the individual gases at the time of enquiring!
GAS MIXER MG 50-MEM+

Type: MG 50-2MEM+ /-3MEM+

Gases: N₂, CO₂, O₂
not for flammable gases!

Mixing range: 0 – 100%

Gas inlet pressures: max. 290 PSI

Gas outlet pressure: max. 145 PSI

Inlet pressure differential between the gases: max. 43.5 PSI

Mixture output (air): see table

Setting accuracy: ±0.1% abs.

Mixing precision: better than ±1% abs.

Gas connections:

Inlets: 1/2” NPT with cone

Outlet: 1/2” NPT with cone

Interfaces: selectable see table

touchscreen activation: option

Converter for USB: upon request

Converter for ethernet: upon request

Display: 240 x 128 pixels or display and adjustment (option) of the nominal position

Housing: stainless steel, splash proof

Weight: approx. 46 lb

Dimensions (HxWxD): approx. 8.90 x 12.80 x 15.75 inches

Voltage: 24 V DC (optional 230 V AC, 110 V AC)

Power consumption: max. 2 A

Approvals:

Company certified according to ISO 9001 and ISO 22000

CE-marked according to:
- EMC 2014/30/EU
- Low Voltage Directive 2014/35/EU
- PED 2014/68/EU

for food-grade gases according to:

Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

Flow (in SCFH) in relation to air

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