

# DATA SHEET

## GAS MIXER GA-MI

Digital on-site gas mixer



### COMPONENTS

Ex-Approved

### PRESSURE MONITORING

for inlet and outlet

### SEPARATED EX-ZONE

### GSM - MODUL

Remote Access, SMS-Alarm

### FLOW-REGULATOR

High Performance

### SEPARATE EXIT

for forming gases

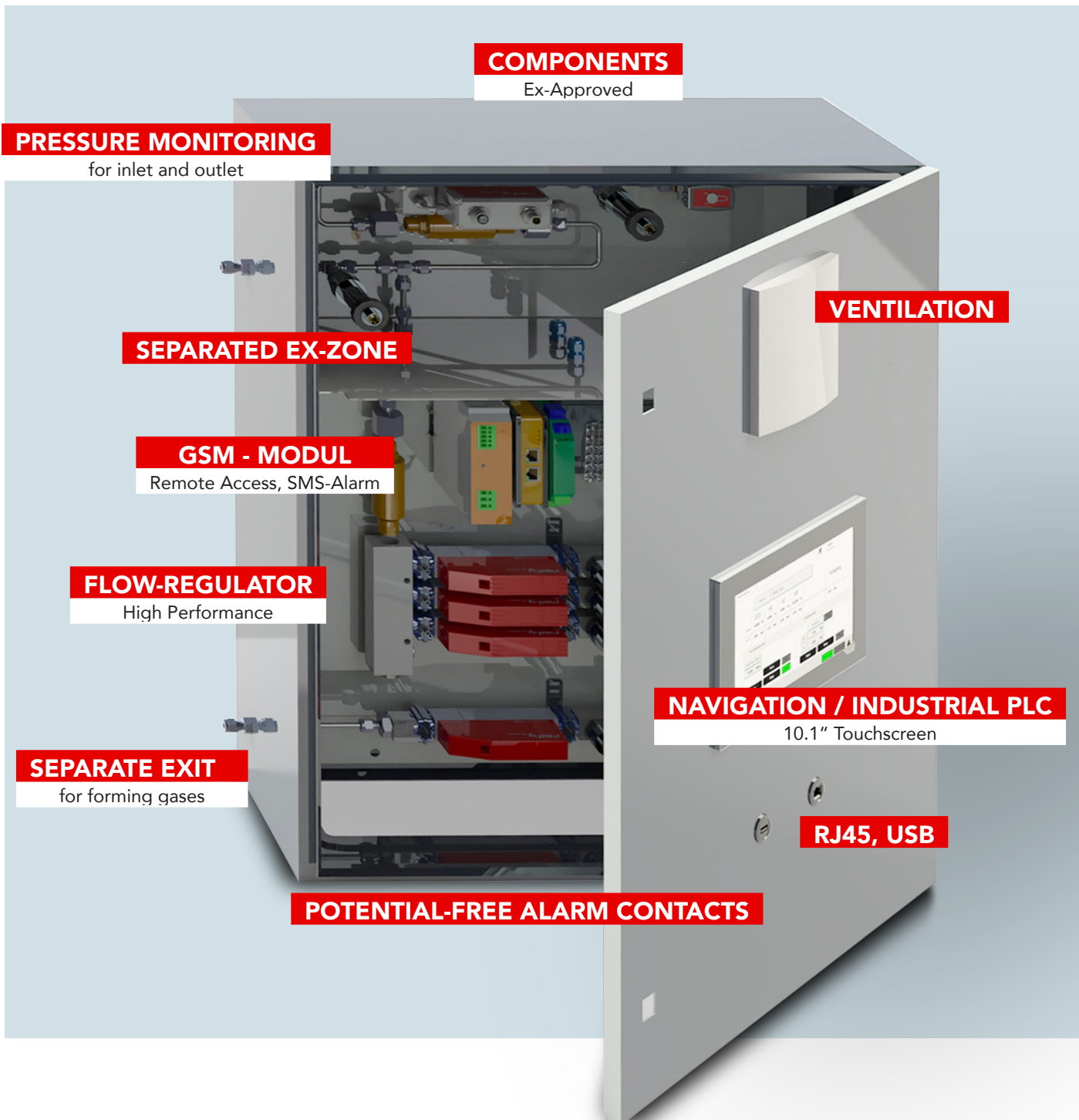
### VENTILATION

### NAVIGATION / INDUSTRIAL PLC

10.1" Touchscreen

### RJ45, USB

### POTENTIAL-FREE ALARM CONTACTS



## SPECIFICATIONS

### FLOW REGULATOR

**measurement principle**

thermal mass flow

**pressure**

0,2 – 10 bara

**temperature**

0-50°C

**accuracy**

± 0.3 % EV  
+ ± 0.5% MV

**measurement**

0-400ln/min  
(depending on the application)

**dynamics**

1:100

### ANALYSIS

**CO<sub>2</sub>**

Non Dispersive IR,  
dual wavelength

**O<sub>2</sub>**

Potentiometric zirconia sensor

**H<sub>2</sub> or He**

MEMS-density sensor

### SYSTEM

**size**

typical 600x800 mm

**weight**

typical 20 kg

**protection type**

IP40

**gas connections**

typical 6-12 mm Parker A-lock,  
optional imperial connections

**power supply**

100-240 VAC,  
50-60 Hz

**communication**

Ethernet, USB, GSM-module  
for remote access

### APPLICATIONS

**Welding**

**Biotech**

**R&D**

**Microelectronics**

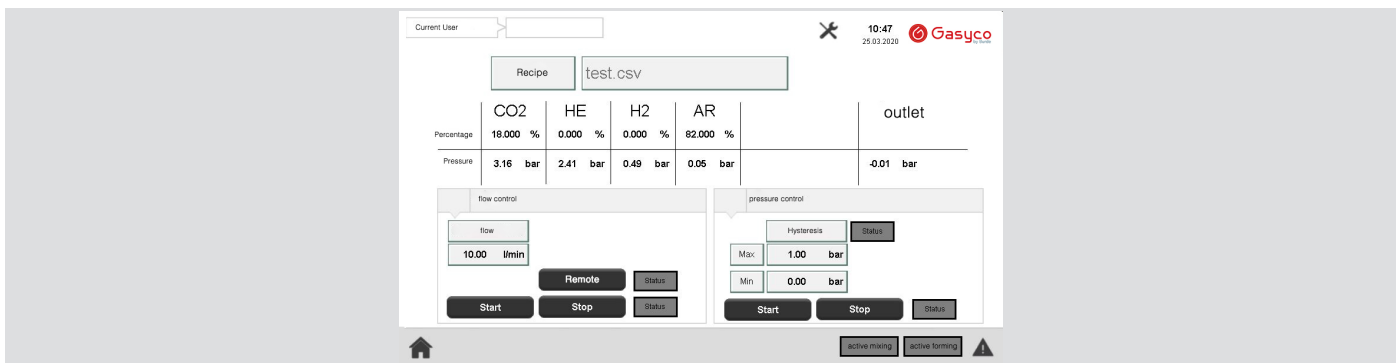
**Medical engineering**

**Art**

**Food and Beverage**

# THE NEW GENERATION GAS MIXER

The **GA-MI** is a high-quality instrument for the production of precise and stable gas mixtures. Up to four gases can be mixed simultaneously, the number of gas inlets are customized. The gas line for flammable gases will be separated automatically to increase safety. Options like an extra gas line for forming gases or independent mixture outlets are selectable.



As an option, continuous gas analysis is possible, which ensures constant process and quality control. The integrated data logger enables complete documentation by recording all process parameters.

Fully electronic, **thermal mass flow controllers** guarantee **highest accuracy**, stable control and high repeatability. **Buffer storage filling** or **direct point of use** can be selected automatically. The maximum differential pressure for the buffer storage filling is 6 bar. The flow range for the direct point of use is between 50 mln/min and 400 ln/min. The gas mixer is controlled directly via the touch operation panel. An external start-stop signal can be handled additionally.

If the monitored process parameters deviate various alarm methods are available such as freely configurable SMS alarms or potential-free contacts.



**MOBILE VERSION**