Gas MIXER KM 100/200-M

Gas mixing systems for 2 or 3 defined gases especially for flow packing machines or other continuous packaging processes in the food industry.

Capacity range up to approx. 718 SCFH. For the exact pressure and flow capacity ratios, please see the technical data overleaf.

**Easy operation**
- a proportional mixing valve (-2) or three single mixing valves (-3), each with a control knob and %-scale, provide infinitely variable mixture settings
- the flow of the gas mixture is controlled by a metering valve combined with a flow meter

**Constant quality**
- independent of pressure fluctuations in the gas supply
- independent of packing speed (in permitted range)

**High process reliability**
- alarm module AM3: integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.
- lockable transparent door for protection of settings

**Maximum hygiene**
- splash-proof and robust stainless steel housing
- smooth and easy to clean surface

Other models, options and accessories available on request.

Please identify the individual gases at the time of enquiring!
### GAS MIXER KM 100/200-M

**Type**
KM 100/200-2M; KM 100/200-3M

**Gases**
N₂, CO₂, O₂

**Mixing range**
0 – 100%

**Pressure settings**
see tables

**Inlet pressure differential between the gases**
max. 43.5 psi

**Mixture output (air)**
see tables

**Setting accuracy**
±2% abs. (scale 0 – 100%)

**Mixing precision**
better than ±1% abs.

**Gas connections**
inlets
G 3/8 RH with cone, hose nipple 8 mm

**Outlet**
G 3/8 RH with cone, hose nipple 8 mm

**Housing**
stainless steel, splash proof

**Weight**
approx. 37.5 lb (-2), approx. 55.1 lb (-3)

**Dimensions (HxWxD)**
approx. 8.7 x 12.8 x 13.6 inches (without connections)

**Voltage**
230 V AC, 110 V AC or 24 V DC

**Power consumption**
230 V AC, 0.02 A
110 V AC, 0.04 A
24 V DC, 0.06 A

**Approvals**
Company certified according to ISO 9001 and ISO 22000
CE-marked according to:
- Electromagnetic compatibility Directive 2014/30/EU
- Low Voltage Directive 2014/35/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 KM 100 (in SCFH) in relation to CO₂

<table>
<thead>
<tr>
<th>outlet pressure in PSIG</th>
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#### Flow KM 200 (in SCFH) in relation to CO₂

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**Note:** Reduced mixture output in case of higher outlet pressures

*Flow KM 100 and KM 200 are subject to change.*