Mixer for 2 or 3 defined gases especially for vacuum packing machines in the food industry and for applications where the mixed gas flow fluctuates widely.

**Easy Usage**
- A proportional mixing valve with percentage scale provides an infinitely variable mixture setting.
- These mixers require a receiver with sufficient volume (min. 10 litres volume), which ensures a constant, accurate mixture when large or very small volumes are needed.

**Constant Quality**
- Independent of pressure fluctuations.
- Independent of packing speed.
- Independent of size of packaging.

**High Process Safety**
- The gas supply is monitored by pressure switches.
- 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 inspection transparent door for protection of settings.

**Maximum Hygiene**
- Splash-proof, robust stainless steel housing.
- Smooth and easy to clean surface for perfect hygiene.

Please identify the individual gases at the time of enquiring!

### Type
KM 100/200 -2MEM /3MEM

### Gases
N₂, CO₂, O₂
- Not for flammable gases!

### Mixing Range

<table>
<thead>
<tr>
<th>Min. Inlet Pressure in PSIG (max. 290 PSI)</th>
<th>58.0</th>
<th>72.5</th>
<th>87.0</th>
<th>101.5</th>
<th>116.0</th>
<th>130.5</th>
<th>145.0</th>
<th>159.5</th>
<th>174.0</th>
<th>188.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>N₂</td>
<td>343.3</td>
<td>442.8</td>
<td>531.8</td>
<td>620.8</td>
<td>709.8</td>
<td>796.7</td>
<td>885.7</td>
<td>974.7</td>
<td>1,063.7</td>
<td>1,152.7</td>
</tr>
<tr>
<td>CO₂</td>
<td>–</td>
<td>404.7</td>
<td>523.4</td>
<td>620.8</td>
<td>709.8</td>
<td>796.7</td>
<td>885.7</td>
<td>974.7</td>
<td>1,063.7</td>
<td>1,152.7</td>
</tr>
<tr>
<td>O₂</td>
<td>–</td>
<td>–</td>
<td>460.0</td>
<td>593.3</td>
<td>703.5</td>
<td>796.7</td>
<td>885.7</td>
<td>974.7</td>
<td>1,063.7</td>
<td>1,152.7</td>
</tr>
<tr>
<td>Mixed gas outlet pressure</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>508.5</td>
<td>656.8</td>
<td>777.6</td>
<td>881.5</td>
<td>974.7</td>
<td>1,063.7</td>
<td>1,152.7</td>
</tr>
<tr>
<td>Mixture pressure differential between the gases</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### Weight
- Approx. 39.7 lb (2MEM), 57.3 lb (3MEM)

### Dimensions (HxWxD)
- Approx. 8.8 x 12.8 x 13.6 inches (without connections)

### Voltage
- 230 V AC, 110 V AC, 24 V DC

### Power consumption
- 230 V AC / 0.07 A
  - 110 V AC / 0.11 A
  - 24 V DC / 0.4 A

### Approvals
- Company certified according to ISO 9001 and ISO 22000
- CE-marked for:
  - EMC 2014/30/EU
  - Low Voltage Directive 2014/35/EU
- For food-grade gases according to:

### Flow (in SCFH) in relation to air

<table>
<thead>
<tr>
<th>Min. Inlet Pressure in PSIG (max. 290 PSI)</th>
<th>21.7</th>
<th>36.3</th>
<th>50.8</th>
<th>65.3</th>
<th>79.8</th>
<th>94.3</th>
<th>108.8</th>
<th>123.3</th>
<th>137.8</th>
<th>152.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>N₂</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>CO₂</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>O₂</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Mixed gas outlet pressure</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Mixture pressure differential between the gases</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

**Please identify the individual gases at the time of enquiring!**