

GAS MIXERS

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KM 100/200-2MEM



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 pressure fluctuations
- independent packing speed
- independent size of packaging

KM 100/200-3MEM



High Process Safety

- the gas supply is monitored by pressure switches. A low pressure triggers an optical alarm (hooter optional) and a potential-free contact (e.g. to shut down machinery and avoid quality problems)
- 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!

Product Information

| | | | |
|--|---|---------------------------|---|
| Type | KM 100/200 -2MEM /3MEM | Casing | stainless steel, splashproof |
| Gases | N ₂ , CO ₂ , O ₂ not for flammable gases! | Weight | ca. 18 kg (2MEM), 26 kg (3MEM) |
| Mixing Range | 0 – 100% | Dimensions (HxWxD) | ca. 225 x 325 x 345 mm (8.8 x 12.8 x 13.6 inch) (without connections) |
| Gas inlet pressure | max. 290 psi (20 bar) | Voltage | 230 V AC, 110 V AC, 24 V DC |
| Inlet pressure differential between the gases | max. 43.5 psi (3 bar) | Power consumption | 230 V AC / 0.07 A 110 V AC / 0.11 A or 24 V DC / 0.4 A |
| Gas outlet pressure | see table | Approvals | Company certified according to ISO 9001:2000 and ISO 14001 CE-marked for: – EMC 89/336/EWG – Low Voltage Directive 73/23/EWG |
| Mixture output (air) | see table | | |
| Setting accuracy | ±2% (scale 0-100%) abs. | | |
| Mixture accuracy | better ±1% abs. | | |
| Gas connections | G 3/8 with cone seat, 8 mm hose nipple | | |

Technical Data

| | | Flow in NI/min according to air min. receiver pressure in barg (max. receiver pressure 0.5 bar higher) | | | | | | | | | |
|---|----|---|-----|-----|-----|-----|-----|-----|-----|-----|------|
| | | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 8.5 | 9.5 | 10.5 |
| min. inlet pressure in barg (max. 20 bar) | 4 | 162 | - | - | - | - | - | - | - | - | - |
| | 5 | 209 | 191 | - | - | - | - | - | - | - | - |
| | 6 | 251 | 247 | - | - | - | - | - | - | - | - |
| | 7 | 293 | 293 | 217 | - | - | - | - | - | - | - |
| | 8 | 335 | 335 | 332 | 310 | 261 | - | - | - | - | - |
| | 9 | 376 | 376 | 376 | 367 | 337 | 280 | - | - | - | - |
| | 10 | 418 | 418 | 418 | 416 | 399 | 362 | 298 | - | - | - |
| | 11 | 460 | 460 | 460 | 460 | 452 | 428 | 385 | 315 | - | - |
| | 12 | 502 | 502 | 502 | 502 | 500 | 486 | 456 | 407 | 332 | - |
| | 13 | 544 | 544 | 544 | 544 | 544 | 537 | 517 | 482 | 428 | 347 |