

# GAS MIXER

Application:  
- Food Industry



KM -200/100MEM

Made in Germany

Product of





**-2MEM**



**-3MEM**

**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**

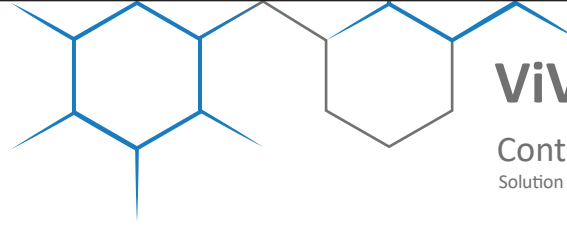
- alarm module NXT+: integrated inlet pressure monitoring with digital display for pressure (with analog pressure transmitters) plus optical alarm, adjustable alarm limits, obligation of acknowledgement, protection of alarms, interfaces for controlling external alarms etc.
- lockable inspection transparent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

#### **Maximum Hygiene**

- splash-proof, robust stainless steel housing
- smooth and easy to clean surface for perfect hygiene

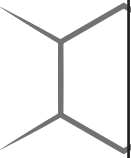
**Please identify the individual gases at the time of enquiring!**

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KM -200/100MEM**



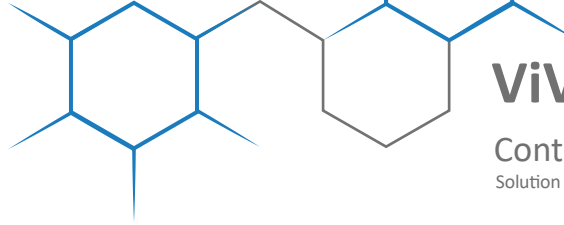
**VIVANGAS**

Control and Safety  
Solution - Engineering- Equipment



<b>Type</b>	KM 100/200 -2MEM /3MEM
<b>Gases</b>	N <sub>2</sub> , CO <sub>2</sub> , O <sub>2</sub> not for flammable gases!
<b>Mixing Range</b>	0 – 100%
<b>Gas inlet pressure</b>	max. 290 psi (20 bar)
<b>Inlet pressure</b>	max. 43.5 psi (3 bar)
<b>differential between the gases Gas outlet pressure</b>	see table
<b>Mixture output (air)</b>	see table
<b>Setting accuracy</b>	<b>±2% (scale 0-100%) abs.</b>
<b>Mixture accuracy</b>	better±1% abs.
<b>Gas connections</b>	G 3/8 with cone seat, 8 mm hose nipple
<b>Casing</b>	stainless steel, splashproof
<b>Weight</b>	approx. 39.7 lb (2MEM), 57.3 lb (3MEM)
<b>Dimensions (HxWxD)</b>	approx. 8.8 x 12.8 x 13.6 inches (without connections)
<b>Voltage</b>	230 V AC, 110 V AC, 24 V DC
<b>Power consumption</b>	230 V AC / 0.07 A 110 V AC / 0.11 A 24 V DC / 0.4 A
<b>Approvals</b>	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: - Regulation (EC) No 1935/2004





Flow (in SCFH) in relation to air											
		min. receiver pressure in PSIG (max. receiver pressure 7.2 PSI higher)									
		21.7	36.3	50.8	65.3	79.8	94.3	108.8	123.3	137.8	152.3
min. inlet pressure in PSIG (max. 290 PSI )	58.0	343.3	-	-	-	-	-	-	-	-	-
	72.5	442.8	404.7	-	-	-	-	-	-	-	-
	87.0	531.8	523.4	460.0	-	-	-	-	-	-	-
	101.5	620.8	620.8	593.3	508.5	-	-	-	-	-	-
	116.0	709.8	709.8	703.5	656.8	553.0	-	-	-	-	-
	130.5	796.7	796.7	796.7	777.6	714.1	593.3	-	-	-	-
	145.0	885.7	885.7	885.7	881.5	845.4	767.0	631.4	-	-	-
	159.5	974.7	974.7	974.7	974.7	957.7	906.9	815.8	667.4	-	-
	174.0	1,063.7	1,063.7	1,063.7	1,063.7	1,059.4	1,029.8	966.2	862.4	703.5	-
	188.5	1,152.7	1,152.7	1,152.7	1,152.7	1,152.7	1,137.8	1,095.5	1,021.3	906.9	735.2





## Gas control equipment

- Gas mixing systems
- Gas metering systems
- Gas analysers
- Leak detection systems
- Gas pressure vessels
- Engineering of customised systems

## Gas safety equipment

- Flashback arrestors
- Non-return valves
- Quick COUPLINGS
- Safety valves
- Stainless steel devices
- Gas filters
- Pressure regulators
- Lance holders
- Ball valves
- Automatic hose reels
- Test equipment
- Accessories
- Customised safety devices

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