

GAS MIXER KM 100/200-MEM



-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

- 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	N ₂ , CO ₂ , O ₂ not for flammable gases!
Mixing Range	0 – 100%
Gas inlet pressure	max. 290 psi (20 bar)
Inlet pressure differential between the gases	max. 43.5 psi (3 bar)
Gas outlet pressure	see table
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
Casing	stainless steel, splashproof

Weight	approx. 18 kg (2MEM), 26 kg (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: - Regulation (EC) No 1935/2004

Flow (in NI/min) in relation 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	217	–	–	–	–	–	–	–	–
	7	293	293	280	240	–	–	–	–	–	–	–
	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	–

KM4 - E01/G9 subject to change