



-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.

Capacity range up to approx. 1152.7 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
- 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 in the gas supply
- independent of packing speed (in permitted range)
- independent of size of packaging

High process reliability

- 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 transparent door for protection of settings

Maximum hygiene

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

Please identify the individual gases at the time of enquiring!

GAS MIXER KM 100/200-MEM



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
Inlet pressure differential between the gases	max. 43.5 psi
Gas outlet pressure	see table
Mixture output (air)	see table
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. 39.7 lb (-2MEM), approx. 57.3 lb (-3MEM)
Dimensions (HxWxD)	approx. 8.86 x 12.80 x 13.58 inches (without connections)
Voltage	230 V AC, 110 V AC or 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 according to: - Electromagnetic compatibility Directive 2014/30/EU - Low Voltage Directive 2014/35/EU for food-grade gases according to: - Regulation (EC) No 1935/2004 Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service

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	1063.7	1063.7	1063.7	1063.7	1059.4	1029.8	966.2	862.4	703.5	–
	188.5	1152.7	1152.7	1152.7	1152.7	1152.7	1137.8	1095.5	1021.3	906.9	735.2

KM4 USA - G02/3F subject to change