



MG 200-2ME



MG 200-2ME Ex



MG 200-2ME with analyser

**Gas mixing systems for 2 or 3 defined gases, designed for a variety of industrial applications with high flows and fluctuating gas mixture production requirements.**

Capacity range from 0 to approx. 284 Nm<sup>3</sup>/h.  
For the exact pressure and flow capacity ratios, please see the technical data overleaf.

**Note:**

System only works with sufficient buffer volume (to 500 litres depending on gas mixing capacity).

**Easy operation**

- a proportional mixing valve (-2ME) or three single mixing valves (-3ME), each with a control knob and %-scale, provide infinitely variable mixture settings
- gas mixture withdrawal possible from zero to the maximum flow capacity

**High process reliability**

- independent of pressure fluctuations in the gas supply
- intermittent gas mixture withdrawal possible
- lockable transparent door for protection of settings

**Options**

- for flammable gases available as Ex-version with separate control cabinet
- 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.
- integrated gas analysis for the monitoring/control and documentation of the gas mixture production

**Other models, options and accessories available on request.**

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

# GAS MIXER MG 200-ME



<b>Type</b>	MG 200-2ME /-3ME; MG 200-2ME /-3ME Ex		
<b>Gases</b>	all technical gases (excluding toxic and corrosive gases) also mixtures of fuel gas with air, O <sub>2</sub> or N <sub>2</sub> O		
<b>Mixing range</b>	0–25% or 0–100% by selection of suitable mixing range the accuracy corresponds to ISO 14175		
<b>Pressure settings</b>	see table		
<b>Inlet pressure differential between the gases</b>	max. 3 bar		
<b>Mixture output (air)</b>	see table		
<b>Setting accuracy</b>	±1% abs. (scale 0–25%), ±2% abs. (scale 0–100%)		
<b>Mixing precision</b>	better than ±1% abs.		
<b>Gas connections</b>	G 3/4 RH with cone, soldering nipple for pipe OD 15 mm		
<b>inlet 0– 25%</b>	G 1 RH with O-ring seal, soldering nipple for pipe OD 22 mm		
<b>inlet 0–100%</b>	G 1 RH with O-ring seal, soldering nipple for pipe OD 22 mm		
<b>outlet at mixer</b>	G 1 RH with O-ring seal, soldering nipple for pipe OD 22 mm		
<b>Versions</b>	<b>-2ME</b>	<b>-2ME Ex</b>	<b>with analyser / -3ME</b>
<b>Options</b>	- monitoring of gas supply (PvDü) - monitoring of gas supply with triggering solenoid valve in the outlet (GB)		- customised other functions
<b>Housing</b>	small, stainless steel, IP54	medium, stainless steel, IP54	big, painted steel IP43
<b>Weight</b>	approx. 45 kg	approx. 48 kg	approx. 80 kg (-2ME), approx. 110 kg (-3ME)
<b>Dimensions (HxWxD) [mm]</b>			
<b>mixer</b> (without connections)	approx. 330 x 485 x 500	approx. 510 x 485 x 500	approx. 1220 x 600 x 515
<b>control cabinet (Ex)</b> (without connections)		approx. 212 x 198 x 160 PvDü approx. 280 x 302 x 170	approx. 436 x 600 x 275 approx. 656 x 600 x 275 approx. 816 x 600 x 275
<b>Voltage</b>	230 V AC, 110 V AC or 24 V DC		
<b>Power consumption</b>	230 V AC, 0.07 A		
<b>Approvals</b>	Company certified according to ISO 9001 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC - PED 97/23/EC - ATEX 95 Directive 94/9/EC		

Flow MG 200 (in Nm <sup>3</sup> /h) 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	
4	72	-	-	-	-	-	-	-	-	-	-
5	104	81	-	-	-	-	-	-	-	-	-
6	129	117	100	-	-	-	-	-	-	-	-
7	154	146	133	109	-	-	-	-	-	-	-
8	176	171	163	146	121	-	-	-	-	-	-
9	198	194	189	176	159	125	-	-	-	-	-
10	217	216	212	203	193	171	133	-	-	-	-
11	245	245	240	235	226	207	185	150	-	-	-
12	260	260	260	259	250	235	221	193	160	-	-
13	284	284	284	280	274	264	249	230	202	160	-