

**MG 200-2ME /-3ME**



**MG 200-2ME /-3ME EEx**



**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 EEx-version with separate control cabinet
- monitoring of the gas supply by means of pressure switches; too low an inlet pressure triggers an optical alarm (audible optional) and switches a potential free contact (e.g. to shut down machinery to avoid quality problems)
- 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 MIXERS**

www.wittgas.com

<b>Type</b>	MG 200-2ME /-3ME; MG 200-2ME /-3ME EEx
<b>Gases</b>	all technical gases (excluding toxic or corrosive gases)
<b>Mixing range</b>	0-25% or 0-100%
<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>	
inlet 0- 25%	G 3/4 RH with cone, soldering nipple for pipe OD 15 mm
inlet 0-100%	G 1 RH with O-ring seal, soldering nipple for pipe OD 22 mm
outlet at mixer	G 1 RH with O-ring seal, soldering nipple for pipe OD 22 mm
<b>Housing</b>	painted steel
<b>Weight</b>	approx. 80 kg (-2ME), approx. 110 kg (-3ME)
<b>Dimensions (HxWxD)</b>	
mixer	approx. 1220 x 600 x 515 mm (48.03 x 23.62 x 20.28 inch) (without connections)
separate control cabinet (EEx)	approx. 212 x 198 x 160 mm (8.35 x 7.79 x 6.30 inch) (without connections)
<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 and ISO 14001 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	264	280	274	264	249	230	202	160

Technical Data

A01/D1 subject to change