

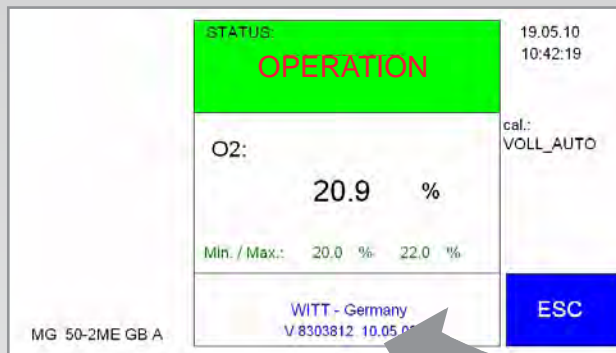
**GAS MIXERS**

www.wittgas.com

**MED-MG 50-2ME GB A**  
**MED-MG 100-2ME GB A**  
**MED-MG 200-2ME GB A**

**NEW**

**Stationary gas mixing system specifically for the generation of synthetic medicinal air (in according to EN ISO 7396-1 §3.27).  
 Medical device class IIb, CE marked according to Directive 93/42/EEC.**



Capacity range from 0 to approx. 247 Nm<sup>3</sup>/h.  
 For the exact pressure and flow capacity ratios, please see the technical data overleaf.

**Note:**  
 System only works with appropriate buffer tank:

Type	MED-Receiver	Order-No.
MED-MG 50-2ME GB A	100 l	605.515
MED-MG 100-2ME GB A	250 l	606.516
MED-MG 200-2ME GB A	500 l	607.513

**Easy operation**

- simple to operate via touch-screen
- pre-set gas blend (adjustable inside gas mixer)
- gas mixture withdrawal possible from zero to the maximum flow capacity

**High process reliability**

- highest integrity to supply safety by independent construction of all relevant safety components
- 2 independent integrated Oxygen Analysers for permanent control and documentation of the gas mixtures
- self monitoring of analysers additional monitoring via alarm module
- monitoring of the gas supply with pressure transmitter

- too low inlet pressures triggers an optical alarm and shut down the system
- lockable transparent door and back panel for protection of settings
- independent of pressure fluctuations in the gas supply
- intermittent gas mixture withdrawal possible
- USB connection for file transfer
- Ethernet connection for network integration
- triggering for solenoid valves provided by customer

**Options**

- uninterruptedly power supply (USV)
- additional heater for low ambient temperatures
- fully automatic calibration

Product Information

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<b>Type</b>	MED-MG 50/100/200-2ME GB A	<b>Dimensions (HxWxD)</b>	approx. 1730 x 600 x 600 mm (68.11 x 23.62 x 23.62 inch) (without connections)
<b>Gases</b>	Nitrogen and Oxygen		
<b>Mixing range</b>	20.9% Oxygen (adjustable)	<b>Voltage</b>	230 V AC, 110 V AC or 24 V DC
<b>Pressure settings</b>	see tables	<b>Power consumption</b>	230 V AC, 0.2 A
<b>Inlet pressure differential between the gases</b>	max. 3 bar	<b>Approvals</b>	Company certified according to ISO 9001 and ISO 14001 CE-marked according to: - PED 97/23/EC - Medical Devices Directive 93/42/EEC
<b>Mixture output (air)</b>	see tables		
<b>Temperature (gas/environment)</b>	0 °C to 45 °C (32 °F to 113 °F)		
<b>System accuracy</b>	±0.8% abs. (according to DIN EN ISO 7396-1/2007)		
<b>Analysing principle</b>	paramagnetic sensor, measuring range 0 – 30% O <sub>2</sub> , long lifetime		
<b>Gas connections inlets</b>	G 1 M, WITTFIX for pipe OD 22 mm		
<b>outlet</b>	G 1 M with cone, WITTFIX for pipe OD 22 mm		
<b>Alarm signals</b>	min. / max. threshold value with 2 floating contacts		
<b>Logging</b>	analogue outlet 4-20 mA or 0-10 V		
<b>Interface</b>	USB port, Ethernet for data storage and evaluation of measuring data on external medium		
<b>Housing</b>	steel, coated, IP40		
<b>Weight</b>	approx. 132 kg (MED-MG 50), approx. 135 kg (MED-MG 100), approx. 145 kg (MED-MG 200)		

Flow **MED-MG 50** (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
4	16	-	-	-	-	-	-	-
5	23	19	-	-	-	-	-	-
6	30	27	22	-	-	-	-	-
7	35	33	30	23	-	-	-	-
8	42	41	38	32	26	-	-	-
9	47	46	45	41	35	27	-	-
10	52	51	50	49	45	38	28	-
11	57	57	57	57	57	55	52	46
12	62	62	62	62	62	61	59	55
13	67	67	67	67	67	67	65	62

min. inlet pressure in barg (max. 20 bar)

Flow **MED-MG 100** (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
4	38	-	-	-	-	-	-	-
5	47	39	-	-	-	-	-	-
6	61	56	48	-	-	-	-	-
7	71	68	63	52	-	-	-	-
8	82	81	75	69	59	-	-	-
9	91	90	88	82	74	60	-	-
10	104	103	101	99	93	82	68	-
11	117	115	114	113	108	100	91	72
12	126	126	125	123	120	115	104	92
13	140	138	137	136	134	131	125	113

min. inlet pressure in barg (max. 20 bar)

Flow **MED-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
4	62	-	-	-	-	-	-	-
5	85	73	-	-	-	-	-	-
6	108	100	84	-	-	-	-	-
7	127	120	107	89	-	-	-	-
8	146	140	129	115	93	-	-	-
9	167	162	154	142	125	102	-	-
10	186	182	176	165	152	132	105	-
11	208	205	200	191	180	164	144	115
12	226	223	218	211	201	185	170	147
13	247	244	239	234	224	212	198	181

min. inlet pressure in barg (max. 20 bar)

Technical Data

101/F1 subject to change