

▶ **GAS MIXER**

MM-FLEX



Made in Germany

Product of





Gas mixing systems for 2 defined gases, designed for a variety of applications where an adjustable gas mixture is required.

**Capacity range up to approx. 216 NI/min.
For the exact pressure and flow capacity ratios,
please see the technical data overleaf.**

Benefits

- low cost
- very compact design
- easy to install
- wall mounting possible
- adjustable operating / outlet pressure

Easy operation

- a proportional mixing valve with a control knob and %-scale provides infinitely variable mixture settings
- infinitely variable flow setting with scaled adjustment knob

High process reliability

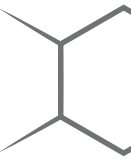
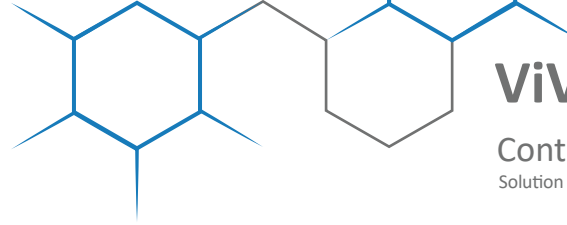
- independent of pressure fluctuations in the gas supply
- independent of withdrawal fluctuations (in permitted range)

Options

- WITT-Pipe Couplers for pipe OD 8 mm
- Flame Arrestor in the outlet (for flammable gases)
- Shut off by solenoid valve in the outlet, 230 V AC or 24 V DC, also in Ex-version

Other models, options and accessories available upon request.

Please identify the individual gases at the time of enquiring!



Type	MM-FLEX
Gases	all technical gases (excluding toxic and corrosive gases) also mixtures of fuel gas with air, O ₂ or N ₂ O)
Mixing range	0–25% or 0–100% by selection of suitable mixing range the accuracy corresponds to ISO 14175
Pressure settings	see tables
Inlet pressure differential between the gases	max. 3 bar
Mixture output (air)	see table min. mixture output = 1/5 of the max. mixture output
Setting accuracy	±1% abs. (scale 0–25%), ±2% abs. (scale 0–100%)
Mixing precision	better than ±2% abs.
Gas connections	G 3/8 RH with cone, hose nipple 6 mm
Housing	aluminium
Weight	approx. 3 kg
Dimensions (HxWxD)	approx. 168 x 125 x 147 mm (6.61 x 4.92 x 5.79 inches)
Approvals	Company certified according to ISO 9001 and ISO 22000 CE-marked according to: - ATEX 114 Directive 2014/34/EU for food-grade gases according to: - Regulation (EC) No 1935/2004 Cleaned for Oxygen Service in accordance with EIGA 33/18, CGA G-4.1 and AIGA 012/19: Cleaning of Equipment for Oxygen Service

Flow MM-FLEX (in NI/min) in relation to air		outlet pressure in barg															
		0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
min. inlet pressure in barg (max. 20 bar), for O ₂ and mixtures with O ₂ (max. 10 bar)	2.5	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.0	48	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.5	60	52	38	-	-	-	-	-	-	-	-	-	-	-	-	-
	4.0	70	67	56	41	-	-	-	-	-	-	-	-	-	-	-	-
	4.5	85	80	72	60	43	-	-	-	-	-	-	-	-	-	-	-
	5.0	96	92	86	78	64	45	-	-	-	-	-	-	-	-	-	-
	5.5	108	105	100	93	83	67	47	-	-	-	-	-	-	-	-	-
	6.0	120	117	113	107	99	87	71	48	-	-	-	-	-	-	-	-
	6.5	132	129	125	120	113	105	91	75	50	-	-	-	-	-	-	-
	7.0	144	143	138	134	127	120	108	96	78	52	-	-	-	-	-	-
	7.5	155	154	152	146	142	134	125	113	100	82	54	-	-	-	-	-
	8.0	168	165	164	161	155	148	140	131	117	104	85	56	-	-	-	-
	8.5	180	179	177	174	169	162	156	145	136	121	106	87	57	-	-	
	9.0	193	191	189	186	182	177	170	162	152	141	125	110	90	59	-	
	9.5	207	206	202	199	195	191	183	178	168	158	145	130	114	92	60	
	10.0	216	216	212	212	208	203	199	190	184	174	163	150	136	118	95	

Note:
Reduced mixture output in case of higher outlet pressures.

Middle East

Regus Nassima Tower, 4th & 5th Floor Sheikh Zayed
Road, Trade Centre District Dubai, UAE 124303

Phone: +971 4311 6197



Gas Control Equipment

- Gas Mixing Systems
- Gas Metering Systems
- Gas Analysers
- Gas Pressure Vessels
- Engineering Of Customised Systems

Asia Pacific

Level 16, The Pavilion Tower, Jalan Raja Chulan,
50200, Kuala Lumpur, Malaysia

Phone: +603 2182 9754-5

Fax: +603-2182 9797



Gas Safety Equipment

- Flashback Arrestors
- Non-return Valves
- Quick Couplings
- Safety Valves
- Stainless Steel Devices
- Gas Filters
- Pressure Regulators
- Lance Holders
- Ball Valves
- Automatic Hose Reels
- Test Equipment
- Accessories
- Customised Safety Devices

Europe

Florianstr. 15-21, 44139 Dortmund, Germany

Tel: +49 2302 663 4646

Int'l: +1(213) 457 - 3147



M.A.P Equipment

- Gas Mixing Systems
- Gas Analyzers
- Leak Detection Systems
- Modified Atmosphere Packaging Solution

letstalk@vivangas.com

www.vivangas.com