



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!

GAS MIXER MM-FLEX



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 table
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 CE-marked according to: - ATEX 114 Directive 2014/34/EU Cleaned for Oxygen Service according to: - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Note: Reduced mixture output in case of higher outlet pressures.
	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	61		

KM10 - E02/C8 subject to change