



**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. 458 SCFH.  
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 on request.**

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

# GAS MIXER MM-FLEX



<b>Type</b>	MM-FLEX
<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 min. mixture output = 1/5 of the max. mixture output
<b>Setting accuracy</b>	±1% abs. (scale 0-25%), ±2% abs. (scale 0-100%)
<b>Mixing precision</b>	better than ±2% abs.
<b>Gas connections</b>	G 3/8 RH with cone, hose nipple 6 mm
<b>Housing</b>	aluminium
<b>Weight</b>	approx. 6.6 lb
<b>Dimensions (HxWxD)</b>	approx. 6.6 x 4.9 x 5.8 inches
<b>Approvals</b>	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 <b>MM-FLEX</b> (in SCFH) in relation to air		outlet pressure in PSIG																	
		7.2	14.5	21.8	29.0	36.3	43.5	50.8	58.0	65.3	72.5	79.8	87.0	94.3	101.5	108.8	116.0		
min. inlet pressure in psig (max. 290 PSI),  for O <sub>2</sub> and mixtures with O <sub>2</sub> (max. 145 PSI)	36.3	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	43.5	102	76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Note: Reduced mixture output in case of higher outlet pressures.
	50.8	127	110	81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	58.0	148	142	119	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	65.3	180	170	153	127	91	-	-	-	-	-	-	-	-	-	-	-	-	-
	72.5	203	195	182	165	136	95	-	-	-	-	-	-	-	-	-	-	-	-
	79.8	229	222	212	197	176	142	100	-	-	-	-	-	-	-	-	-	-	-
	87.0	254	248	239	227	210	184	150	102	-	-	-	-	-	-	-	-	-	-
	94.3	280	273	265	254	239	222	193	159	106	-	-	-	-	-	-	-	-	-
	101.5	305	303	292	284	269	254	229	203	165	110	-	-	-	-	-	-	-	-
	108.8	328	326	322	309	301	284	265	239	212	174	114	-	-	-	-	-	-	-
	116.0	356	350	347	341	328	314	297	278	248	220	180	119	-	-	-	-	-	-
	123.3	381	379	375	369	358	343	331	307	288	256	225	184	121	-	-	-	-	-
	130.5	409	405	400	394	386	375	360	343	322	299	265	233	191	125	-	-	-	-
	137.8	439	436	428	422	413	405	388	377	356	335	307	275	242	195	127	-	-	-
145.0	458	458	449	449	441	430	422	403	390	369	345	318	288	250	201	129	-	-	

KM10 USA - G02/3F - subject to change