

## GAS MIXER KM 20/30/60/100-2 AND -3



KM 100-2



KM 20-3

**Gas mixing systems for two or three defined gases, designed for a variety of industrial/welding applications.**

Capacity range up to approx. 740 SCFH.  
For the exact pressure and flow-capacity ratios,  
please see the technical data overleaf.

### Easy operation

- a proportional mixing valve (-2 models) or three single mixing valves (-3 models), each with control knob and %-scale for variable mixture settings
- variable flow settings with scaled control knob

### High process reliability

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

### Options

- robust stainless steel housing (as pictured above, left)

**Other models, options and accessories available upon request.**

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

# GAS MIXER KM 20/30/60/100-2 AND -3



<b>Type</b>	KM 20/30/60/100-2; KM 20/30/60/100-3
<b>Gases</b>	all technical gases (excluding toxic and corrosive gases; excluding mixtures of fuel gas with air, O <sub>2</sub> or N <sub>2</sub> O)
<b>Mixing range</b>	0 – 25% (KM 60/100 only) or 0 – 100%
<b>Pressure settings</b>	see tables
<b>Inlet pressure differential between the gases</b>	max. 43.5 PSI
<b>Mixture output (air)</b>	see tables min. mixture output = 1/5 of the max. mixture output <b>Note!</b> <b>Flow &lt; 17 SCFH not possible!</b>
<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 KM 20/30/60</b>	1/4" NPT with cone, hose nipple 6 mm
<b>Gas connections KM 100</b>	3/8" NPT with cone, hose nipple 8 mm
<b>For fuel gases: fuel gas connection and outlet at mixer</b>	3/8" NPT with cone, soldering nipple for pipe OD 10 mm
<b>Housing</b>	steel, powder coated
<b>Weight</b>	approx. 26 lb (-2), approx. 46 lb (-3)
<b>Dimensions (HxWxD)</b>	approx. 9.84 x 5.90 x 13.39 inches (-2 without connections) approx. 9.84 x 13.78 x 13.39 inches (-3 without connections)
<b>Approvals</b>	Company certified according to ISO 9001 CE-marked according to: - ATEX 95 Directive 94/9/EC

		outlet pressure in PSIG											
		7	15	22	29	36	44	51	58	65	73	80	87
	29	17	-	-	-								
	44	-	21	-	-								
	58	-	-	28	-								
min. inlet pressure in PSIG	73	-	-	-	36	-	-	-	-	-	-	-	-
	87	-	-	-	-	42	-	-	-	-	-	-	-
	102	-	-	-	-	-	51	-	-	-	-	-	-
(max. 189 PSI)	116	-	-	-	-	-	-	57	-	-	-	-	-
	131	-	-	-	-	-	-	-	64	-	-	-	-
	145	-	-	-	-	-	-	-	-	72	-	-	-
	160	-	-	-	-	-	-	-	-	-	78	-	-
	174	-	-	-	-	-	-	-	-	-	-	85	-
	189	-	-	-	-	-	-	-	-	-	-	-	93

		outlet pressure in PSIG											
		7	15	22	29	36	44	51	58	65	73	80	87
	29	28	-	-	-								
	44	-	44	-	-								
	58	-	-	61	-								
min. inlet pressure in PSIG	73	-	-	-	-	76	-	-	-	-	-	-	-
	87	-	-	-	-	-	93	-	-	-	-	-	-
	102	-	-	-	-	-	-	108	-	-	-	-	-
(max. 189 PSI)	116	-	-	-	-	-	-	-	125	-	-	-	-
	131	-	-	-	-	-	-	-	-	140	-	-	-
	145	-	-	-	-	-	-	-	-	-	155	-	-
	160	-	-	-	-	-	-	-	-	-	-	172	-
	174	-	-	-	-	-	-	-	-	-	-	-	186
	189	-	-	-	-	-	-	-	-	-	-	-	201

		outlet pressure in PSIG											
		7	15	22	29	36	44	51	58	65	73	80	87
	29	51	-	-	-								
	44	-	83	-	-								
	58	-	-	112	-								
min. inlet pressure in PSIG	73	-	-	-	144	-	-	-	-	-	-	-	-
	87	-	-	-	-	174	-	-	-	-	-	-	-
	102	-	-	-	-	-	203	-	-	-	-	-	-
(max. 189 PSI)	116	-	-	-	-	-	-	231	-	-	-	-	-
	131	-	-	-	-	-	-	-	261	-	-	-	-
	145	-	-	-	-	-	-	-	-	290	-	-	-
	160	-	-	-	-	-	-	-	-	-	320	-	-
	174	-	-	-	-	-	-	-	-	-	-	350	-
	189	-	-	-	-	-	-	-	-	-	-	-	379

		outlet pressure in PSIG											
		7	15	22	29	36	44	51	58	65	73	80	87
	29	100	-	-	-								
	44	-	163	-	-								
	58	-	-	222	-								
min. inlet pressure in PSIG	73	-	-	-	282	-	-	-	-	-	-	-	-
	87	-	-	-	-	339	-	-	-	-	-	-	-
	102	-	-	-	-	-	398	-	-	-	-	-	-
(max. 189 PSI)	116	-	-	-	-	-	-	456	-	-	-	-	-
	131	-	-	-	-	-	-	-	513	-	-	-	-
	145	-	-	-	-	-	-	-	-	570	-	-	-
	160	-	-	-	-	-	-	-	-	-	627	-	-
	174	-	-	-	-	-	-	-	-	-	-	684	-
	189	-	-	-	-	-	-	-	-	-	-	-	742

KM2 USA - C04/H4 subject to change