



KM 20-2



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



Type	KM 20/30/60/100-2; KM 20/30/60/100-3
Gases	all technical gases (excluding toxic and corrosive gases; excluding mixtures of fuel gas with air, O ₂ or N ₂ O)
Mixing range	0 – 25% (KM 60/100 only) 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. 43.5 PSI
Mixture output (air)	see tables min. mixture output = 1/5 of the max. mixture output Note! Flow < 17 SCFH not possible!
Setting accuracy	±1% abs. (scale 0 – 25%), ±2% abs. (scale 0 – 100%)
Mixing precision	better than ±1% abs.
Gas connections KM 20/30/60	1/4" NPT with cone, hose nipple 6 mm
Gas connections KM 100	3/8" NPT with cone, hose nipple 8 mm
For fuel gases: fuel gas connection and outlet at mixer	3/8" NPT with cone, soldering nipple for pipe OD 10 mm
Housing	steel, powder coated
Weight	approx. 26 lb (-2), approx. 46 lb (-3)
Dimensions (HxWxD)	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)
Approvals	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
min. inlet pressure in PSIG (max. 189 PSI)	29	17	-	-	-	-	-	-	-	-	-	-	-
	44	-	21	-	-	-	-	-	-	-	-	-	-
	58	-	-	28	-	-	-	-	-	-	-	-	-
	73	-	-	-	36	-	-	-	-	-	-	-	-
	87	-	-	-	-	42	-	-	-	-	-	-	-
	102	-	-	-	-	-	51	-	-	-	-	-	-
	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
min. inlet pressure in PSIG (max. 189 PSI)	29	28	-	-	-	-	-	-	-	-	-	-	-
	44	-	44	-	-	-	-	-	-	-	-	-	-
	58	-	-	61	-	-	-	-	-	-	-	-	-
	73	-	-	-	76	-	-	-	-	-	-	-	-
	87	-	-	-	-	93	-	-	-	-	-	-	-
	102	-	-	-	-	-	108	-	-	-	-	-	-
	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
min. inlet pressure in PSIG (max. 189 PSI)	29	51	-	-	-	-	-	-	-	-	-	-	-
	44	-	83	-	-	-	-	-	-	-	-	-	-
	58	-	-	112	-	-	-	-	-	-	-	-	-
	73	-	-	-	144	-	-	-	-	-	-	-	-
	87	-	-	-	-	174	-	-	-	-	-	-	-
	102	-	-	-	-	-	203	-	-	-	-	-	-
	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
min. inlet pressure in PSIG (max. 189 PSI)	29	100	-	-	-	-	-	-	-	-	-	-	-
	44	-	163	-	-	-	-	-	-	-	-	-	-
	58	-	-	222	-	-	-	-	-	-	-	-	-
	73	-	-	-	282	-	-	-	-	-	-	-	-
	87	-	-	-	-	339	-	-	-	-	-	-	-
	102	-	-	-	-	-	398	-	-	-	-	-	-
	116	-	-	-	-	-	-	456	-	-	-	-	-
	131	-	-	-	-	-	-	-	513	-	-	-	-
	145	-	-	-	-	-	-	-	-	570	-	-	-
	160	-	-	-	-	-	-	-	-	-	627	-	-
174	-	-	-	-	-	-	-	-	-	-	684	-	
189	-	-	-	-	-	-	-	-	-	-	-	742	

KM2 USA - D01/15 subject to change