Gas mixing systems for 2 or 3 defined gases, designed for a variety of industrial applications for example, welding applications.

Capacity range up to approx. 350 Nl/min. For the exact pressure and flow capacity ratios, please see the technical data overleaf.

**Easy operation**

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

**High process reliability**

- independent of pressure fluctuations in the gas supply
- independent of withdrawal fluctuations (in permitted range)
- robust stainless steel housing

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
also mixtures of fuel gas with air, O₂, or N₂O)

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
max. 3 bar

between the gases
see tables

Mixture output (air)
min. mixture output = 1/5 of the max. mixture output

Note:
Flow < 8 Nl/min 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
G 1/4 RH with cone, hose nipple 6 mm

Gas connections KM 100
G 3/8 RH with cone, hose nipple 8 mm

For fuel gases:
fuel gas connection
and outlet at mixer
G 3/8 LH with cone, soldering nipple for pipe OD 10 mm

Housing
stainless steel

Weight
approx. 12 kg (-2), approx. 21 kg (-3)

Dimensions (HxWxD)
approx. 250 x 165 x 340 mm (9.84 x 6.50 x 13.39 inches)
(-2 without connections)
approx. 250 x 370 x 340 mm (9.84 x 14.57 x 13.39 inches)
(-3 without connections)

Approvals
Company certified according to ISO 9001
CE-marked according to:
- ATEX 114 Directive 2014/34/EU

Flow KM 20 (in Nl/min) in relation to air
outlet pressure in barg

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

Flow KM 30 (in Nl/min) in relation to air
outlet pressure in barg

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

Flow KM 60 (in Nl/min) in relation to air
outlet pressure in barg

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

Flow KM 100 (in Nl/min) in relation to air
outlet pressure in barg

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