Gas mixing systems for 2 defined gases, designed for a variety of industrial applications, for direct cylinder connection (high pressure).

BM-2M capacity range up to approx. 111 Nl/min.
BM-2V capacity range up to approx. 142 Nl/min.
For the exact pressure and flow capacity ratios, please see the technical data overleaf.

Benefits
- no more components required e.g. pressure control – for low costs
- compact design
- easy to install
- protection of downstream equipment using 2 integrated blow-off valves to protect against dangerous overpressures

Easy operation
- proportional mixing valve with a control knob and %-scale provides infinitely variable mixture settings

High process reliability
- independent of pressure fluctuations in the gas supply
- independent of withdrawal fluctuations (in permitted range)

Other models, options and accessories available upon request.

Please identify the individual gases at the time of enquiring!
GAS MIXER BM

Type  
BM-2M, BM-2V

Gases  
CO₂/Ar, CO₂/N₂, He/Ar, He/N₂, N₂/Ar
not for O₂ and flammable gases!

Mixing range  
0 – 25% or 0 – 100%

Pressure settings  
see tables

Inlet pressure  
min. 3 bar
max. 200 or 300 bar (depending on version)

Outlet pressure  
max. 8 bar

Opening pressure of blow-off valves  
max. 12 bar

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

Setting accuracy  
±1% abs. (scale 0 – 25%),
±2% abs. (scale 0 – 100%)

Scale division  
scale 0 – 25%  1% division
scale 0 – 100%  5% division

Mixing precision  
2M  better than ±1% abs.
2V  better than ±3% abs.
till min. mixture output = 1/5 of the max. mixture output

Gas connections  
inlets  
cylinder connection DIN 477
G 1/4 EN 560

outlet

Housing  
aluminium, coated

Weight  
approx. 3.5 kg

Dimensions (HxWxD)  
2M  approx. 230 x 156 x 130 mm (9.1 x 6.1 x 5.1 inches)
(without connections)

2V  approx. 230 x 156 x 130 mm (9.1 x 6.1 x 5.7 inches)
(without connections)

Approvals  
Company certified according to ISO 9001

<table>
<thead>
<tr>
<th>Flow BM-2M (in Nl/min) in relation to air</th>
<th>outlet pressure in barg</th>
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<th>outlet pressure in barg</th>
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