

Gas mixer: **proMixvario**

Gas mixer range with metering valves for high gas consumption

Gas mixer range **proMixvario** for the production of gas mixtures of two or three gas types.

Highlights

- Full performance not depending on the outlet pressure.
- High reproducibility of the gas mixture of +/-0.5%
- Variable inlet pressures
- High-quality fittings and gas lines; cold temperature metallic material (hazardous incident protection)
- Established locking- and safety concept
- Individually adjusted metering valves (high accuracy)
- Dom pressure regulator in each gas strand to compensate even significant input pressure differences (>3bar)
- High-quality variable area flowmeter and gas non-return valve in each gas strand
- Relief valve allows adjustment without a gas consuming device being connected
- Gas inlet filters protect the device against contamination
- Easy maintenance

Flammable Gases

- no Ex-Zone, due to permanent technical leak tightness acc. to EX-RL – can be used in Ex-Zone 1
- electric equipment in Ex-version, - can be used in Ex-Zone 1

- **Optional:**

Buffer vessel: stainless steel for 10 or 25 bar allows precise analysis, independent from the buffered gas mixture

Gas analyser: constant control of the mixing processes and the minimum and maximum limits with gas strand cut-off.

Analysers are not explosion proofed and must be located in a separate cabinet or outside the Ex-Zone.

Maintenance:

Gas mixers are to be tested for leaks at least once a month.



Type: proMixvario

Technical Data:				
Gas types:	Technical gases, flammable or non-flammable			
Mixing range:	Adjustment by metering valves, data reading via manometer and flowmeter			
Inlet pressure:	12 – 25 barg			
Outlet pressure:	2 – 9 barg			
Mixed gas capacity:	15 Nm ³ /h, 25 Nm ³ /h, 50 Nm ³ /h, 100 Nm ³ /h, 200 Nm ³ /h, 300 Nm ³ /h			
Mixing precision::	± 0,5 % abs.			
Temperature:	-20 to +60°C			
Gas inlet:	2 -4 clamping ring for 18mm pipe outer diameter			
Gas outlet:	Clamping ring for 18 / 28 mm pipe outer diameter			
Material:	Housing: sheet steel, powder coated Pipes: copper, cold temperature resistant Buffer vessel: stainless steel			
Optional:	Buffer vessel 90 L, Gas analyser			
Measure and weight:	height	width::	depth:	weight:
Depending on the product version	1000 - 1800 mm	800 - 1000 mm	400 - 510 mm	ca. 100 - 250 kg

Further mixers for the production of other gas mixtures, capacities or options available on request

Certification/ Technical Standards/ Rules

TRBS German Technical rules for operation safety, DVS German Association for Welding, Cutting and Allied Processes, DGUV German Employer's liability insurance association rules and regulations.

Standards/ Approvals

Company certified according to
 ISO 9001:2015 and ISO 14001:2015,
 CE-marking according to: Pressure Equipment Directive 2014/68/EU

(Subject to change without notice)