

BSL – GasMix GM Range of GAS MIXERS

Available in both a “Pre Set” and “Adjustable” designs.



GMB Pre-set Design



GMB Adjust Design



Tried and proven technology that has been used in our mixed gas applications since 1990.

Models Include

GMB Pre-set and adjustable
GMT Pre-set and adjustable

N models for non O₂ and non H₂
H models for O₂ and H₂

Flows up to 50 nm³/hr,
Supply pressures up to 15 bar g

Common Optional Extras

- 0.01 micron inlet gas filters
- Leak monitoring systems
- Gas Analysers

Please identify the gases to be processed, the mix ratio you need, the supply pressures, the mixed gas pressure you need and the required flow rate of mixed gas for your application.

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Design Features

- Quality materials and cleaning
- All common Industrial gases
- Accuracy BSEN ISO 14175;2008
- Manufactured ISO 9001;2008
- All mechanical design
- Fails safe safety interlock
- Gas pressure balancing

Design Benefits

- A reliable and robust solution
- Accurate Gas Mixing
- Resilient to temperature fluctuations
- Guaranteed mixed gas quality
- No electrics to fit
- Fail safe if you lose supply gases
- Resilient to pressure fluctuations
- No buffer tank needed
- Simple to install, simple to operate, easy to look after and a very low cost of ownership!

Manufacturers and designers of high quality gas mixing systems.

BSL Gas Technologies Limited

Gas Mixers



Type	GasMix GMB and GasMix GMT Gas Mixers
Models	Preset and adjustable options.
Applications	Industrial, Welding and Cutting, Food and Beverage
Construction	Stainless steel housing, copper tubing and brass compression fittings.
Weight	15 kg
Dimensions (H x W x D)	166 x 370 x 205 mm
Connections	G1/4 in and G1/4 out.
Inlet Pressure	15 bar design (nominal) maximum
Mix Accuracy	Better than BSEN ISO 14175;2008
Temperature range	-25 deg C to +50 deg C, -13 deg F to +122 deg F
Manufacture procedure	Conforms to ISO 9001;2008

Inlet Pressure in bar g	2.0	0.9						Flow curves GasMix Mini GM B style Gas Mixing Panels. Basis air nm3/hr						
	3.0	3.0	1.5											
	4.0	5.1	3.9	2.2										
	5.0	7.5	6.6	5.0	2.6									
	6.0	10.0	9.6	8.1	6.3	3.3								
	7.0	12.6	12.0	11.1	9.6	7.2	4.1							
	8.0	14.4	14.1	13.2	12.3	10.8	7.8	4.2						
	9.0	16.8	16.5	15.6	14.7	13.8	12.0	9.0	4.8					
	10.0	19.2	18.9	18.6	17.4	16.2	15.0	12.9	9.9	5.1				
	12.0	23.1	22.8	22.5	21.9	21.0	19.8	18.6	16.2	13.8	11.7			
	13.0	25.2	24.6	24.3	24.0	23.4	22.2	21.0	19.2	17.4	14.7	12.0	6.6	
		0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	11	12	
	Outlet Pressure in bar g													

Inlet Pressure in bar g	2.0	4.1						Flow curves GasMix Mini GM T style Gas Mixing Panels. Basis air nm3/hr						
	3.0	7.5	5.1											
	4.0	11.7	9.3	5.7										
	5.0	16.5	14.4	12.0	7.8									
	6.0	21.6	19.2	17.4	14.7	9.3								
	7.0	24.9	23.5	20.7	18.9	14.7	9.6							
	8.0	29.7	27.9	25.5	22.8	19.5	16.2	11.7						
	9.0	34.5	31.8	29.4	27.6	24.0	20.7	17.1	12.0					
	10.0	40.5	38.7	36.0	33.0	28.8	26.0	23.7	18.6	12.6				
	12.0	52.0	48.6	45.0	41.7	39.0	36.0	32.4	27.9	25.2	20.4	13.2		
	13.0	57.0	54.0	51.0	48.0	45.0	42.0	37.2	34.0	30.3	25.8	19.8	12.0	
		0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5	11	12	
	Outlet Pressure in bar g													