BSL - GasMix FW Range of GAS MIXERS

Available in both a "Pre Set" and "Adjustable" designs.

GasMix FW Pre-set Design

GasMix FW Adjust Design

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

Models Include

GasMix FW 1 Preset and adjustable
GasMix FW 2 Preset and adjustable
GasMix FW 3 Preset and adjustable

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

Flows up to 150 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 gas 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
- Fail 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	BSL GasMix FW 1, FW2 and FW3 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 to 30 Kg subject to exact model
Dimensions (H x W x D)	385 x 500 x 190 mm
Connections	G1/2
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

Flow curves GasMix FW 1 style Gas Mixing Panels. Basis, mixed gas nm3/hr

Inlet Pressure in bar g	1	2	3	4	5	6	7	8	9	10
2.0	5.0									
3.0	9.0	5.0								
4.0	14.0	9.0	5.0							
5.0	19.0	14.0	9.0	5.0						
6.0	24.0	20.0	14.0	9.0	5.0					
7.0	30.0	25.0	21.0	16.0	9.0	5.0				
8.0	35.0	31.0	27.0	23.0	19.0	12.0	5.0			
9.0	44.0	40.0	36.0	29.0	25.0	21.0	14.0	9.0		
10.0	46.0	42.0	40.0	36.0	32.0	27.0	22.0	19.0	13.0	
12.0	60.0	56.0	53.0	49.0	47.0	44.0	41.0	37.0	32.0	27.0

Outlet Pressure in bar g

Flow curves GasMix FW 2 style Gas Mixing Panels. Basis, mixed gas nm3/hr

Inlet Pressure in bar g	1	2	3	4	5	6	7	8	9	10
2.0	9.0									
3.0	18.0	9.0								
4.0	30.0	20.0	9.0							
5.0	42.0	32.0	22.0	9.0						
6.0	55.0	45.0	37.0	25.0	10.0					
7.0	69.0	60.0	50.0	40.0	25.0	10.0				
8.0	80.0	72.0	65.0	55.0	42.0	30.0	13.0			
9.0	93.0	85.0	79.0	70.0	60.0	50.0	40.0	30.0		
10.0	105.0	100.0	92.0	86.0	76.0	70.0	60.0	50.0	40.0	
12.0	118.0	114.0	110.0	102.0	92.0	82.0	76.0	70.0	72.0	66.0

Outlet Pressure in bar g

Flow curves GasMix FW 3 style Gas Mixing Panels. Basis, mixed gas nm3/hr

Inlet Pressure in bar g	1	2	3	4	5	6	7	8	9	10
2.0	12.0									
3.0	22.0	12.0								
4.0	38.0	23.0	13.0							
5.0	50.0	38.0	25.0	13.0						
6.0	75.0	62.0	52.0	38.0	18.0					
7.0	102.0	92.0	80.0	62.0	42.0	20.0				
8.0	130.0	120.0	106.0	90.0	74.0	50.0	30.0			
9.0	160.0	145.0	132.0	118.0	100.0	80.0	58.0	38.0		
10.0	183.0	172.0	160.0	142.0	130.0	110.0	92.0	78.0	58.0	
12.0	200.0	195.0	190.0	173.0	158.0	148.0	130.0	118.0	98.0	78.0

Outlet Pressure in bar g