

BUIK GAS MIXING MACHINE FOR WELDING SHIELD, FURNACE ATMOSPHERE, FOOD PACKAGEING AND LEAK DETECTION.

Gas Mixer

How it Works

Two types of gas are to be mixed is supplied to the mixer from a storage tank BUIK.

Usually the pressure of these gases is supplied to keep the $7\text{kg}/\text{cm}^2 \sim 9\text{kg}/\text{cm}^2$ enters the so $0 \sim 4\text{kg}/\text{cm}^2$.

The two types of GAS in MIXER are automatically adjusted to the same internal pressure. MAJOR GAS adjusted by the regulator to flow through a fixed ORIFICE. MINOR GAS flows through the METERING VALVE is actuated by the adjustable orifice two gases are mixed and injected into the SURGE TANK.

If the pressure drops below the pressure required in the surge tank As repeated by opening of the solenoid valve by the pressure switch is working mixture gas is supplied to the PROCESS. GAS analyzer continuously analyze the ratio of the gas and this time may be mixed in a certain ratio to adjust the GAS METERING VALVE according to gas ratio, and can be a continuous supply.



EXAMPLE	
CO ₂ / Ar	WELDING SHIELD GAS
O ₂ / Ar	
He / Ar	
H ₂ / Ar	
H ₂ / N ₂	FURNANCE ATMOSPHERE
CO ₂ / N ₂	FOOD PACKAGING
O ₂ / CO ₂	
He / N ₂	LEAK DETECTION
He / Air	
N ₂ / Ar	LAMP FILLING
He / Ar	

Gas mixer has been designed to be a mixture of two gases non-corrosive and non-flammable gas. Appropriate ratio of the gas is held constant, while opening the closed valve in flow direction of the flow.

Typically, the gas to be mixed in a mass storage tank is fed so that the gas mixture produced in the mixer is supplied to the production Process through the pipeline. Also it has been designed to be suitable for a number of different manufacturing processes that various typical applications are shown in the left. Operator is operating the metering valve of the gas flow while the major and minor gas can be adjusted to an appropriate ratio of mixed gas to be used while simply the value of the analyzer. Gas mixer is 60NM³ / Hr, 100NM³ / Hr, 150NM³ / Hr, and may be fabricated of a different capacity, each of these models are made of a weather-proof type that is not limited to the use location and weather.

ACCURACY

±2% OF FULL SCALE OVER 15 TO 30°C TEMPERATURE RANCE

(STATED ACCURACY ASSUMES THAT THE INPUT TEMPERATURE OF GASES ARE EQUAL)

