

Victor Specialty Products

Gas Mixer/Blenders

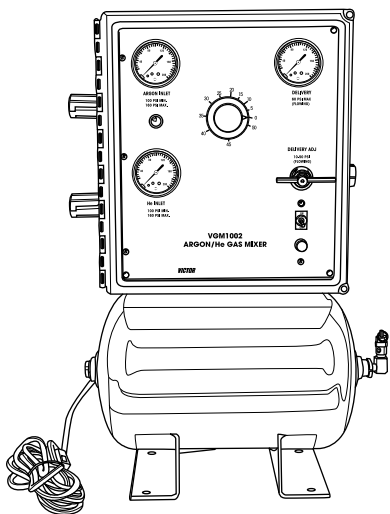
- Inlet Pressure Range: 100-160 PSIG major or minor gas
- Front panel mounted gauges for easy reading
- 40 Micron filter
- 115 VAC \pm 10 VAC, 2 Amp, 60Hz power requirement
- Low pressure inlet warning light (lets customer know when inlet pressure for either gas drops below 100 PSIG.)
- Two gas system
- Variable secondary gas mixture up to 50% in Argon
- Accuracy of gas mixtures \pm 1.5% CO₂
- Needle valve control device
- Adjustable delivery range 10-50 PSIG
- Regulator for accurate downstream pressure
- Pressure gauge in unit for easy viewing
- 1/2" NPT(F) Outlet fitting
- ASME coded 5 gallon tank
- 200 PSI relief valve
- Mounting holes in bracket

INLET FITTINGS

- 1/2" NPT(F) (both gases)
- 40 Micron sintered bronze filter (both gases)
- Inlet labeled for each particular gas
- Check-valves located within the inlet header to prevent back flow in case of pressure loss from one source

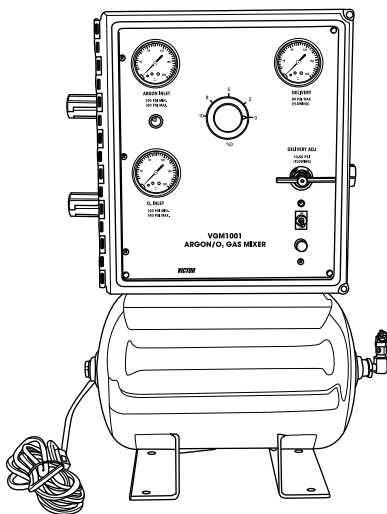
FEATURES/BENEFITS

- Highest flow rates
- \pm 1.5% accuracy
- Lockable enclosure
- Warning lights
- Wide range of inlet pressures
- Stand mounting or wall mounting
- Adjustable delivery pressures
- Victor regulators used throughout



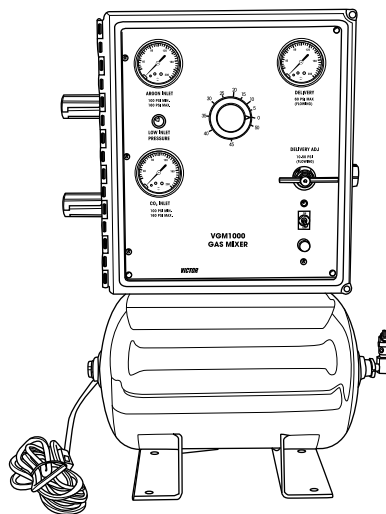
VGM-1002

- Mixer ratio up to 50% Argon/50% Helium
- Flow rates up to 1500 SCFH



VGM-1001

- Mixer ratio up to 10% O₂ in Argon
- Flow rates up to 1100 SCFH

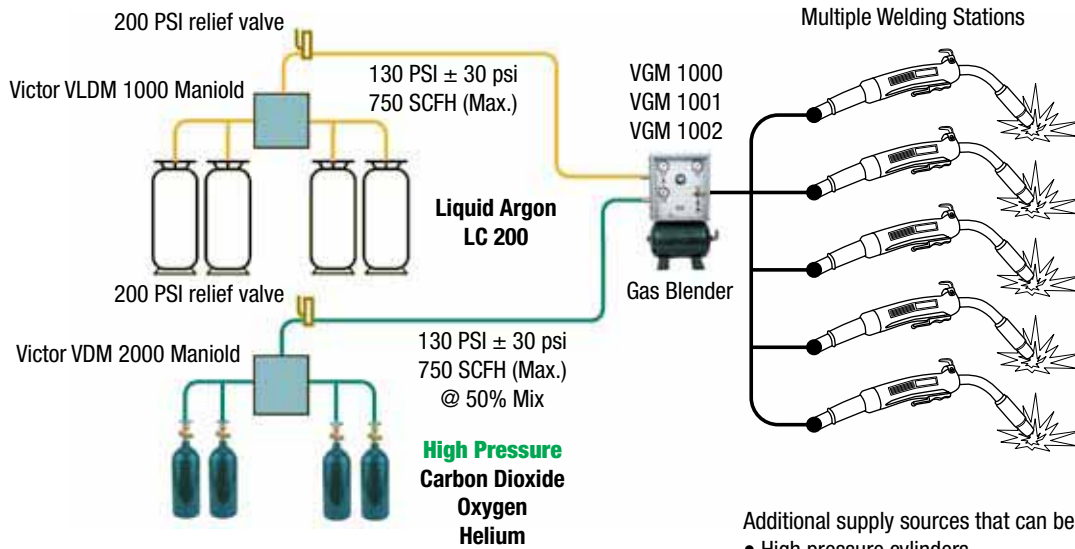


VGM-1000

- Mixer ratio up to Argon 50%/50% CO₂
- Flow rates up to 1000 SCFH

Part No.	Description	Gas Mix	SCFH
1145-0000	VGM-1000	Argon/CO ₂	(1000 SCFH Mixer)
1145-0001	VGM-1001	Argon/O ₂	(1100 SCFH Mixer)
1145-0002	VGM-1002	Argon/Helium	(1500 SCFH Mixer)
Dimensions: 18.5" W x 28.5" H x 10" D (469.9mm x 723.9mm x 254.0mm)			
Shipping Box: 25" W x 30" H x 13" D (635.0mm x 762.0mm x 330.2mm)			
Shipping Weight: 78 lb. (33.61kg)			

Typical Installation for Argon/CO₂, Argon/O₂ & Argon/Helium Mixer



Additional supply sources that can be used:

- High pressure cylinders
- Liquid cylinders
- Bulk tanks
- Tube trailers

The proper pressure regulator or manifold needs to be used. Maximum inlet pressure to mixer is 160 PSI.

VGM-1000 Series Mixer - Flow Rates & Gas Mix

