



Shielding Gas Solutions

Miller® Proportional Gas Mixers: Efficient. Economical. Precise.

Having a ready supply of proper shielding gas mixtures for all of your frequently used welding processes is essential — but premixed gases are expensive, and require the regular stocking and handling of multiple cylinders.

Miller has a solution: **our new line of proportional gas mixers**. Available in models to precisely combine argon with CO₂, helium, hydrogen or oxygen, Miller proportional gas mixers can help your operation save money, work more efficiently and produce better-quality welds.



- ▶ **Accurate, on-site shield gas mixing**
Various welding processes require different gas mixes for the best results. Miller proportional gas mixers are accurate and allow custom mixtures for optimal welds.
- ▶ **No stocking/handling of premixed gases**
Saves time and money — and reduces the number of cylinders that need to be stored.
- ▶ **Reduces setup time**
No need to change cylinders, regulators, flow control devices or hoses when switching from one range of mixed gas to another.
- ▶ **Ideal for education/training**
Operators can quickly see the effect of various gas mixtures on weld appearance, quality and penetration.
- ▶ **Easy operation**
Simply set the dials for the desired mix and flow. Mixers are mechanical: no electricity is required.
- ▶ **Serves from 1 to 5 welding stations with a single mixer**
Delivers accurate mixtures at flows ranging from 10 to 180 SCFH.

Additional Proportional Gas Mixer Advantages:

▶ No gas separation

Premixed gases can separate (stratify) after sitting for long periods of time. Accurate Miller® proportional gas mixers eliminate that risk.

▶ Built-in flow control

Eliminates the need for additional flow control devices when used in single-station applications.

▶ Versatile

Convenient conversion charts printed on the top of the mixer cabinet help guide proper use with other gases.



New Miller® Proportional Gas Mixers:

STOCK NUMBER:

299-006-1C
in stock now

299-006-3C
NEW!

299-011-1C
NEW!

299-014-1C
NEW!

Feature				
Gases	Argon CO ₂	Argon Helium	Argon Hydrogen	Argon Oxygen
Adjustment % Range	0 – 100% 100 – 0%	0 – 100% 100 – 0%	50 – 100% 50 – 0%	80 – 100% 20 – 0%
Flow Range	10 – 180 SCFH	10 – 180 SCFH	10 – 180 SCFH	10 – 180 SCFH
Inlet Connections	5/8" – 18 RH Internal 5/8" – 18 RH Internal	5/8" – 18 RH Internal 5/8" – 18 RH Internal	5/8" – 18 RH Internal 9/16" – 18 LH External	5/8" – 18 RH Internal 5/8" – 18 RH Internal
Outlet Connection	5/8" – 18 RH Internal	5/8" – 18 RH Internal	5/8" – 18 RH Internal	5/8" – 18 RH Internal
Required Inlet Pressures	105 – 115 PSIG 7.3 – 7.9 Bar	105 – 115 PSIG 7.3 – 7.9 Bar	105 – 115 PSIG 7.3 – 7.9 Bar	105 – 115 PSIG 7.3 – 7.9 Bar
Outlet Pressure	50 PSIG 3.5 Bar	50 PSIG 3.5 Bar	50 PSIG 3.5 Bar	50 PSIG 3.5 Bar
Conversion Tables	Argon/Helium Argon/Oxygen CO ₂ /Oxygen	Argon/CO ₂ Argon/Oxygen CO ₂ /Oxygen	Argon/Helium Nitrogen/Hydrogen Argon/Oxygen Argon/CO ₂	Argon/CO ₂ Argon/Hydrogen Argon/Helium Nitrogen/Hydrogen

MillerWelds.com



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