

Gas Mixers

Reliable indoor or outdoor gas mixture production.



Model 6105, 6205, 6305, 6405 for Indoor Applications

- 0–2000, 0–5000, 0–10,000, and 0–20,000 scfh flowrate models.
- Continuous gas analysis of the gas mixture, optional alarms available.
- Surge tank design produces constant gas mixture proportion from shutoff to full flow conditions.
- Three component mixers available.



Model 8105, 8205, 8305, 8405 for Outdoor Locations

- Same features and benefits of indoor design.
- Includes a NEMA 4 enclosure to provide reliable protection from weather or tampering.
- The analysis has a heated cell chamber for consistent functioning at outdoor temperatures.

Designed for applications requiring continuous production of mixed gas.

The *Thermco*® gas mixer is designed to mix two non-flammable and non-corrosive gases. The gas mixer is normally used with a process where the

supply gases are drawn from bulk sources, and the mixture is produced on-site where it is supplied to the process by a pipeline.

Gases	Applications
▶ Carbon dioxide/argon Oxygen/Argon Helium/Argon	Welding shield gas
▶ Carbon dioxide/Nitrogen Oxygen/Carbon Dioxide	Food packaging
▶ Helium/Nitrogen Helium/Air	Leak detection
▶ Oxygen/Nitrogen	Blanketing atmospheres
▶ Nitrogen/Argon	Lamp filling

Flowrate	Indoor Model	Outdoor Model	Standard Ranges*
0-2000 scfh (0-53.6Nm ³ /H)	6105	8105	0-30% CO ₂ in argon 0-10% oxygen in argon
0-5000 scfh (0-134 Nm ³ /H)	6205	8205	0-50% helium in argon 0-50% helium in nitrogen
0-10,000 scfh (0-268 Nm ³ /H)	6305	8305	0-50% CO ₂ in nitrogen
0-20,000 scfh (0-536 Nm ³ /H)	6405	8405	*Other ranges available

Table provided by Thermco Instrument Corporation.