



Environmental Solutions

Leaders in Specialty Gas Solutions

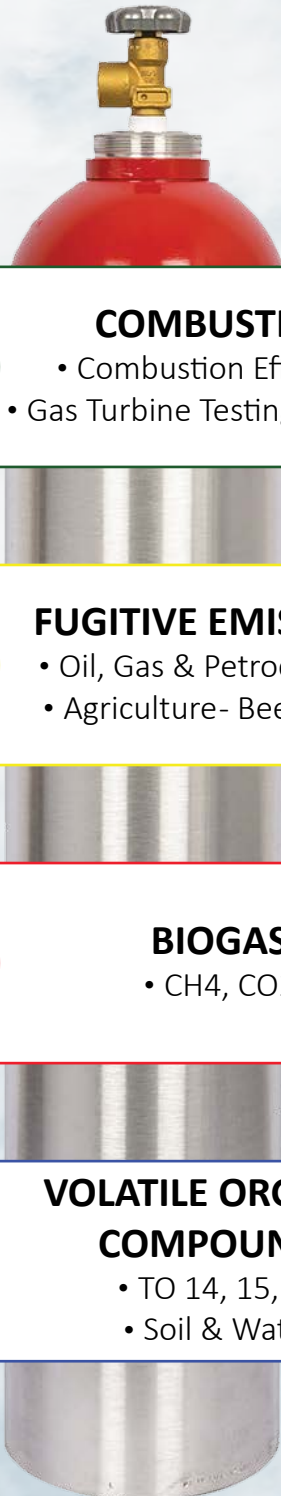
CAC
GAS&INSTRUMENTATION

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Environmental Gas Measurement Solutions

Environmental monitoring for gaseous emissions has never been more important. With the increasing risks of climate change, industry, governments, and organizations around the world are putting into place stringent regulations to reduce gas emissions including CO₂, SO₂, CH₄, NO, NO₂ and other gases. CAC GAS provides products for environmental monitoring to industries including oil, gas, petrochemical, power, steel, mining, cement, pulp & paper, brick works, mineral smelting, water & wastewater treatment, landfill, food and agriculture.

CAC GAS provides specialty & calibration gas solutions for every environmental gas measurement application.



COMBUSTION

- Combustion Efficiency
- Gas Turbine Testing/Mapping

STACK GAS EMISSIONS

- EPA Protocol
- CEMS- Industry & Marine
- CO, CO₂, NO, NO₂, NO_X, SO₂



VEHICLE EMISSIONS

- NO₂, CO
- Underground Mining, Tunnels
- Vehicle Emission Testing



FUGITIVE EMISSIONS

- Oil, Gas & Petrochemical
- Agriculture- Beef & Rice

LANDFILL & SOIL REMEDIATION

- CH₄, CO₂, O₂
- Soil Sampling



BIOGAS

- CH₄, CO₂

AIR QUALITY - COMMUNITY

- CO, NO, NO₂, CO₂
- Ozone



VOLATILE ORGANIC COMPOUNDS

- TO 14, 15, 17
- Soil & Water

CARBON CAPTURE

- CO₂



Specialty Gas Standards

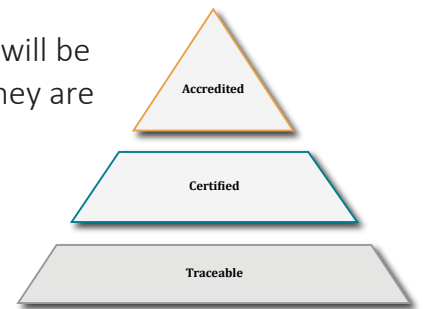
Emissions standards including EPA Protocol mixtures, CEMS standards, ISO 17025 and ISO 17034 accredited mixtures are available in a variety of cylinder sizes.

Our customer support representatives take the time to understand our customer's applications in order to recommend the gas volumes required and the applicable standard and cylinder size.

Gas mixtures are available for all environmental applications as well as process gas measurement, gas detection and laboratory gas analysis.

Mixtures meeting CAC GAS' high standard for quality will be classified into these three categories based on how they are made, tested, analysed, or certified:

- Accredited Producer
- Certified Method
- Traceable Measurement



TO 14, 15, 17 Standards

TO 14, 15, 17 standards for VOC monitoring and soil sampling are available in all configurations 39, 41, 62 or subset component mixtures. Gas mixtures for all VOC's including BTEX mixtures, Isobutylene, and other organic vapours are available.



Gas Generation Systems

- > Gas Generators For H₂, Zero Air and N₂ carrier gas
- > Hydrogen gas supply for GC-FID eliminating large cylinders
- > Calibration gas generators for Ozone, CL₂, CLO₂, H₂, HCN, H₂S, NO₂
- > Gas Mixers to supply multiple gas concentrations from a single gas source



Gas Control Products

We offer a full line of gas control products and regulators providing a complete solution for all applications within the environmental market.





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