



Environmental  
Solutions

Leaders in  
Specialty Gas  
Solutions

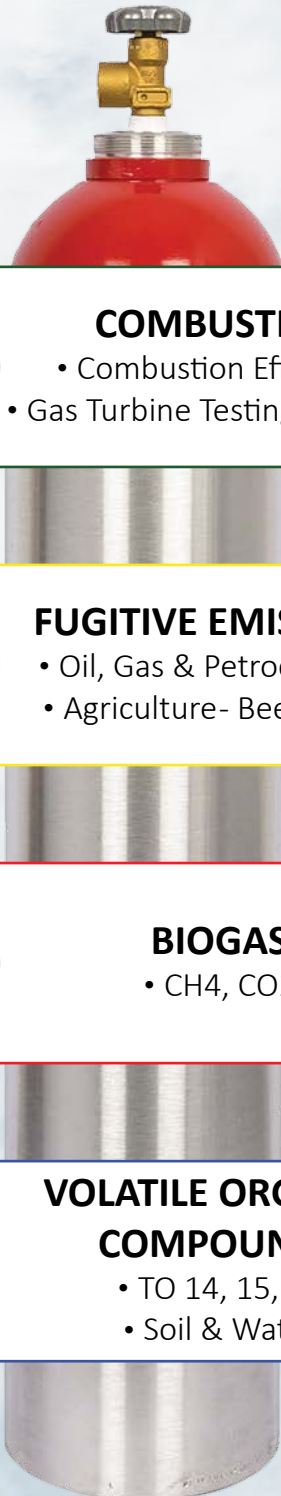
**CAC**  
GAS&INSTRUMENTATION

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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 CO<sub>2</sub>, SO<sub>2</sub>, CH<sub>4</sub>, NO, NO<sub>2</sub> 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, CO<sub>2</sub>, NO, NO<sub>2</sub>, NO<sub>X</sub>, SO<sub>2</sub>



## VEHICLE EMISSIONS

- NO<sub>2</sub>, CO
- Underground Mining, Tunnels
- Vehicle Emission Testing



## FUGITIVE EMISSIONS

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

## LANDFILL & SOIL REMEDIATION

- CH<sub>4</sub>, CO<sub>2</sub>, O<sub>2</sub>
- Soil Sampling



## BIOGAS

- CH<sub>4</sub>, CO<sub>2</sub>

## AIR QUALITY - COMMUNITY

- CO, NO, NO<sub>2</sub>, CO<sub>2</sub>
- Ozone



## VOLATILE ORGANIC COMPOUNDS

- TO 14, 15, 17
- Soil & Water

## CARBON CAPTURE

- CO<sub>2</sub>



# Specialty Gas Standards



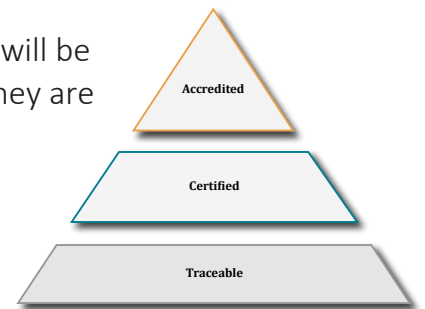
Emissions standards including EPA Protocol mixtures, CEMS standards, ISO 17025 and ISO 17034 accredited mixtures are available in a variety of cylinder sizes.

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 H<sub>2</sub>, Zero Air and N<sub>2</sub> carrier gas
- Hydrogen gas supply for GC-FID eliminating large cylinders
- Calibration gas generators for Ozone, CL<sub>2</sub>, CLO<sub>2</sub>, H<sub>2</sub>, HCN, H<sub>2</sub>S, NO<sub>2</sub>
- 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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