

Support Gas Generator



CAS believes that focusing on the details without losing sight of the scope is an integral piece of a successful project. With a solid history of supporting our clients, we understand the challenges from design to operation. Our passion stems from our desire to provide a turnkey solution to our clients. This approach ensures a precise, cost-effective, properly implemented project. Through dedication, commitment, integrity, and hard work, our team is ready to serve you.

General Description

The CAS Support Gas Generator (SGG) is designed specifically for the MEDOR series analyzers (energyMEDOR, H₂S/TS MEDOR) to provide a true autonomous system. The generator supplies carrier and actuation gas for the MEDOR which completely eliminates the need of Nitrogen compressed gas cylinders. Includes Stainless Steel enclosure and external compressor.

Specifications

- Configuration: Wall or rack mounted
- Housing: Stainless Steel Enclosure
- Degree of Protection: NEMA 4x IP66
- Operating Pressure: 3 bar / 43.5 psi
- Power: 120VAC, 60 Hz, 5 A
- Rating: General Area Class*
- Dimensions: 20" x 16" x 10" Weight: approx. 43lbs
- CAS Part Number: 5200-07
- Made in the USA

Key Features

- Provides continual supply of carrier and actual gas to MEDOR analyzer
- Eliminates the need of N₂ compressed gas cylinders
- Continuous operation
- Easily repaired and maintained
- Compact design
- Easy installation

*Hazardous Area Locations

The CAS Support Gas Generator can be utilized with the CAS Power Control Enclosure (PN: 6900-PWR-LEL) which turns OFF power to the Generator/Compressor in the event of an LEL alarm condition. Output from LEL detector controls the power input to the Support Gas Generator via a Class 1 Division 2 relay. Contact CAS Inc for more information.



9001 Series - Shelter

- General purpose infrastructure that is customized to meet analytical and hazardous area requirements.
- CAS Field Laboratories can be configured with any instrumentation to meet customer requirements.



9002 Series - Mobile Shelter

- Mobile infrastructure creates a flexible monitoring system that can be rapidly deployed to support critical infrastructure.
- Utilize on board power solution, vibration-isolated equipment racks, customizable workspace along with many other solutions to fit your needs.



9003 Series - Container

- Steel shipping containers range in size from 8'-53' and deliver a rugged platform that can stand up to harsh conditions.
- Meet NFPA/NEC requirements from general purpose to hazardous area classification.



9004 Series - Mini-Shelter

Small unit that can meet analytical and hazardous area requirements when space is limited.



9005 Series - Dual Classification Shelter

- Dual Classification Shelters give customers the most flexibility by providing two working areas of differing area classifications.
- Commonly used with an odorizer and an RTU which utilizes an established gas transmission barrier and seal to prevent gas ingress and egress.

Our Process

- 1. Concept Planning and Design** - CAS staff work with you to fully understand your infrastructure and analytical needs. CAS engineers design an optimized turn-key solution for your specific application.
- 2. Project Management and Construction** - Once preliminary design drawings are approved, our team will begin making your design a reality. CAS project managers closely monitor the project to ensure compliance to your requirements and keep you updated throughout project.
- 3. Training and Service** - Once the project is ready to ship we offer a full range of services including Factory Acceptance Testing, system startup, and training for end users.