

Flare Solutions

NHV monitoring and management



Comply with Federal and state regulations

Improve operating expenses and increase revenue

- Minimize compliance-related CapEx
- Reduce turnaround time and related expenses
- Gain efficiencies with a single-source supplier – from routine monitoring to complex projects

For refining and petrochem

Increased scrutiny of industrial flare emissions has resulted in new and updated rules for Net Heating Value (NHV) monitoring and management to help assure improved HAP (Hazardous Air Pollutant) destruction removal efficiency.

Airgas, an Air Liquide company, remains committed to our industry partners and communities, and provides innovative and new NHV monitoring and management solutions designed to help you meet complex compliance requirements. FlareAL™ BTU calibration standards and SupplementAL™ NHV external supplemental fuel gas systems help you manage compliance during special events like turnarounds and major maintenance purge activities. We also offer EPA protocols and other support gases, as well as gas handling equipment and safety products and services. With over 1,100 locations throughout the U.S., you have everything you need, when and where you need it.



FlareAL™

Fully-compliant QA solutions

Driven by the new flare monitoring requirements, Airgas has created patent-pending FlareAL BTU NHV calibration standards designed to help you meet regulatory requirements and improve process control. These new flare-based BTU NHV standards are custom engineered and include Certificate of Accuracy (COA) documentation specifically formatted to comply with the EPA Refinery Sector Rule, and other regional, state and local requirements for daily, quarterly and periodic performance validations.

- Custom and standard gas blends for GC, calorimeter and mass spec analyzers
- Flare rule-based NHV calculations, reference conditions and COAs
- Blending engineered to meet your flare management plan requirements
- Standard $\pm 5\%$ blend tolerance and $\pm 2\%$ analytical accuracy and interlocked for highest consistency and quality assurance

More products and services

- EPA protocols and other calibration standards
- Nitrogen purging
- Monitoring, delivery and control systems and equipment
- Safety products and PPE
- Engineering product and service support

Contact us

800.909.8058 | info@airgas.com

Airgas.com

MCM-497 | ©2018 Airgas, Inc. | Printed in the U.S.A.

SupplementAL™

External supplemental fuel gases

Implementation of the Refinery Sector Rule includes elimination of startup, shutdown and malfunction (SSM) exemptions. This means that the rule applies at all times, even during major nitrogen purge and steam-out events. This creates a challenge for sites where internal supplemental fuel gas supplies may be limited or costly to connect to flare systems. Low fuel gas supply can result in restricted purge flow and extended turnaround schedules that increase process downtime and related opportunity cost. SupplementAL helps you meet and comply with NHV requirements. SupplementAL is a portable, patent-pending process for boosting flare net heating values that provides a project-based solution to meet regulatory compliance requirements without slowing down critical maintenance processes.

- Portable process boosts flare net heating values
- Plug and play project-based supply system
- Packaged bulk fuel gas, vaporization and feed to stationary flares
- Integrated flow monitoring and control for a variety of fuel gases
- Minimize CapEx for connection and operation

Airgas
an Air Liquide company