

# Enhanced Vapor Recovery Systems

## Testing Vapor Polishing Systems for Gasoline



Air Liquide, the world leader in the development and supply of gases engineered to help protect our environment, provides the calibration gas mixtures, pure gases and gas handling equipment needed to accurately and safely test vapor polishing systems used in enhanced gasoline vapor recovery systems.

### Benefits and Features

- Meets California Air Resources Board specifications for vapor recovery system testing to avoid noncompliance penalties.
- Guaranteed accuracy and stability of SCOTT™ brand mixtures provide an extra level of confidence.
- Online Certificates of Accuracy and MSDS information help improve record keeping.
- Choose from a range of available cylinder/volume sizes for cost-effective gas quantities to meet every application need.
- Expert technical support from experienced specialists.
- Improve quality control and worker safety.
- High-performance gas handling equipment that meets all verification procedure specifications is in stock and available for next-day shipping.



# Enhanced Vapor Recovery Systems

## Testing Vapor Polishing Systems for Gasoline

The California Air Resources Board mandates periodic testing of the vapor polishing system for gasoline. The efficiency of the activated carbon adsorbers must be evaluated annually using isobutane as the surrogate hydrocarbon.

### Calibration Standards for Testing

SCOTT Gas Mixture	Cylinder Size	Pressure		Contents Liters	Tests Per Cylinders	Recommended Regulator
		psig	bar			

#### Inlet Test Gas

10% Isobutane in Nitrogen	108	240	17	1790	36	Q1-205A4GN-510
	40LP	240	17	707	12	Q1-205A4GN-510
	22LP	240	17	370	7	Q1-205A4GN-510
	11LP	240	17	190	4	Q1-205A4GN-510

#### Calibration Check Gas

9000 ppm Isobutane in Nitrogen	108	240	17	1840	36	Q1-205A4GN-510
	40LP	240	17	707	12	Q1-205A4GN-510
	22LP	240	17	370	7	Q1-205A4GN-510
	11LP	240	17	205	4	Q1-205A4GN-510

#### Flow Measuring Device Check Gas

Zero Nitrogen *	108	240	17	1790	65	Q1-205A4GN-510
	40LP	240	17	707	23	Q1-205A4GN-510
	22LP	240	17	370	12	Q1-205A4GN-510
	11LP	240	17	205	7	Q1-205A4GN-510

\*For calibration of flow measurement device and zeroing analyzer only.

### Optional Equipment

SCOTT™ Model 205 Single-Stage Brass Regulator (without outlet valve)



SCOTT Model 31S Flowmeter with maximum flowrate of 23 scfh

Tubing and compression fittings for connections also available

Model No. Q2-31S-2-23CFH



Founded in 1902, Air Liquide is a world leader in industrial and medical specialty gases and related services, providing innovative solutions for the manufacture of everyday products and for the protection of life.

NOTE: This brochure is intended for general information purposes only and is not intended as a representation or warranty of any kind, or as a statement of any terms or condition of sale. The information herein is believed to be correct, but is not warranted for correctness or completeness or for applicability to any particular customer or situation.

SCOTT, SCOTTY and MOLECULES THAT MATTER are trademarks of the Air Liquide Group.  
©2010 Air Liquide America Specialty Gases LLC



Air Liquide America Specialty Gases LLC  
6141 Easton Road  
Box 310  
Plumsteadville, PA 18949

Phone: 800.217.2688  
Fax: 215.766.2476  
Email: solutions.center@airliquide.com  
www.ALspecialtygases.com