



MATHESON LABORATORY PROGRAM for Specialty Gas Supply

“Experience the MATHESON Commitment to Supply Chain Excellence”



MATHESON

ask. . .The Gas Professionals™

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With more than 85 years of experience and dedication, MATHESON has served analytical laboratories with efficient and reliable solutions to specialty gas and equipment operating requirements.

Beginning with our very first gas and equipment products many decades ago, we have consistently expanded our product offering to meet the efficiency and safety operating challenges faced by laboratory professionals.

The **MATHESON Laboratory Program** is designed to elevate the operating efficiency in your laboratory environment through greater reliability and safety by addressing the six key parameters customers must receive from their suppliers to achieve “supply chain excellence.” These include:

- **CONVENIENCE** using the MATHESON Item Master process that ensures fast re-ordering
- **QUALITY** system certification to ensure consistent reliability and safety
- **PRODUCTS** specifically designed to facilitate laboratory applications and productivity
- **HEALTH & SAFETY** hazardous gas monitoring products plus equipment design integrity to protect your personnel and work environment
- **SUPPORT** whenever you need it from our sales, technical and service support teams
- **DELIVERY** options tailored to your operating needs



CONVENIENCE

The MATHESON Item Master Process

MATHESON works with our customers to capture all gas or liquid mixture components, concentrations, calculated values, hydrocarbon dew point, and temperature. All of this information is applied order after order, and cylinder after cylinder. All you have to tell us is your item number.

Additional MATHESON Convenience Features:

- Selected stocked products to provide emergency or “24-hour” delivery service
- Additional Certificate of Analysis copy available on request

QUALITY

System Certifications

- **ISO 9001:2008 Certified Manufacturing Facilities:** Gas and equipment products manufactured to international industry standards
- **ISO 17025 Laboratory Accreditation** for certification of EPA Protocols and CalMAT grade environmental gas standards
- **Direct NIST Tracability:** Gas standards with NIST traceability from blending and analysis.
- **Stability:** Microshield cylinder treatments that ensure the long term stability of reactive minor components.
- **“C of A’s”:** Certificates of Analysis that provide the ISO 9001 quality contents for gas standard products



Cylinders



Multipacks



Liquid Dewars



Microbulk



Cryogenic Tanks



Onsite & Pipeline Plants

PRODUCTS

Pure Gas Supply Options

- Individual cylinders, 6-packs and 12 packs from industrial grade to Research grade pure gases
- Dewars of atmospheric gases
- MiniBulk and Bulk gas deliveries
- Bulk Tank installations

Pure Gas Grade Options

- Gas grades to meet instrument and process impurity specifications from zero to research grade
- Air and Hydrogen generators for lower volume, high purity carrier gas requirements
- Purification at-instrument using instrument sized Pur-Gas filters and Nanochem® purifiers to full-scale laboratory purification using high pressure Nanochem® purifiers

Laboratory Gas Calibration Standards

- Cylinder sizes to meet both low and high volume uses
- Traceability to NIST and documentation ensures ISO 9001 compliance
- Cylinder treatments ensure long term stability to sub-ppm concentrations
- Dynamic Blending system provides identical cylinders of Nitric Oxide, Sulfur Dioxide, Carbon Monoxide, Carbon Dioxide, Methane, Propane, and Oxygen certified to $\pm 1\%$, and with Zero Blend Tolerance
- UniBlend Automated Blending System provides identical cylinders for many minor component mixtures not mentioned previously

Equipment

- Instrument certification capabilities from ppb to % minor component concentrations. Instruments include GC/MS, FTIR, and GC/PHID
- A complete line of gas handling equipment including gas delivery systems, regulators, flow measurement and control, gas detection, filters, purifiers and ancillary support equipment. (See Equipment Brochure)



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HEALTH & SAFETY

Monitoring for OSHA Compliance

- MATHESON Portables LEL and H₂S/CO/Methane/Air mixtures for your safety and industrial health programs. Many more standard and custom mixtures, and pure gases, and gas delivery products are available (see the MATHESON Portables Catalog)
- Gas Cabinets and Panels for safe hazardous gas handling and delivery to point of use
- Hazardous gas monitoring systems including fixed and portable instruments, plus Kitagawa tubes
- Lab audits to certify safe gas delivery systems and improve operating efficiency
- On-site safety training programs and education products to enhance and improve safety awareness
- Leak detection and cylinder handling safety equipment



SUPPORT

MATHESON Technical and Customer Service Teams

- Field sales engineers who can guide you to the correct product solutions
- Dedicated gas and equipment customer service teams
- Experts in gas and equipment technology from MATHESON Product Managers, Technical Service Coordinator, Gas Operations Team and Customer Service
- Cylinder management programs



DELIVERY

- Designed to suit your facility and operating hours
- Options for delivery



MATHESON is committed, without limitation, to be your “go to” company for maximizing profits and minimizing operating costs.

Thank you for your interest in our specialty gas and equipment products. For more information, please visit the MATHESON website @ www.mathesongas.com, or call our customer service center @ **800-416-2505** to have one of our sales representatives contact you directly.

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