



Customized Gas Handling Equipment

For Your Special Applications

*World Leader in Specialty Gases . . .
World Leader in Specialty Gas Handling Systems*



**MATHESON
TRI•GAS**

ask. . .The Gas Professionals™



Matheson Tri-Gas, recognized as a world leader in specialty gases, has long been a provider of both standard catalog equipment and customized equipment for gas handling systems.

For over 70 years, our equipment manufacturing facilities have accepted the challenge of solving gas handling problems such as:

- High purity
- High pressure
- Flow control
- Hazardous qualities such as reactive, corrosive, flammable, and explosive

Our experience, safety record and success establishes Matheson Tri-Gas as the benchmark in the specialty gas industry.



The Matheson Tri-Gas Equipment Technology Center, located in Montgomeryville, PA is an ISO-9001 certified facility that consolidates design, engineering, and manufacturing of gas handling systems under one roof. This 85,000 square foot facility houses a state of the art engineering and design department, both class 1 and class 100 cleanroom manufacturing and assembly areas, and a fully equipped electronics laboratory.

Modified Catalog Equipment

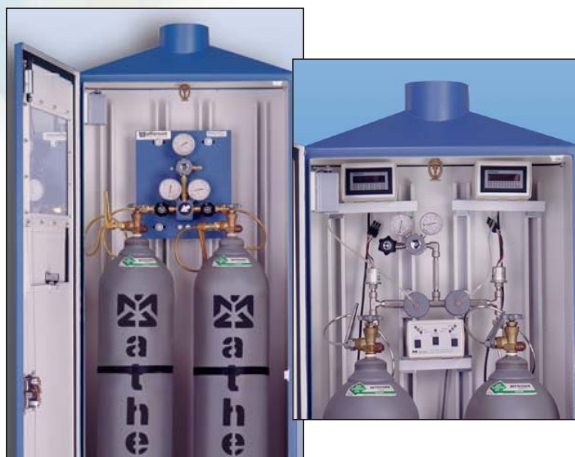
Your application may require a different gauge range, fitting type or a different valve style. In addition to the largest "standard" equipment product line, we stock thousands of component pieces that can be used to modify products for your special requirements. Instead of field engineering solutions on your own, use us to create the perfect fit "right out of the box." Our engineers assure proper compatibility, and our ISO 9001 factory will assemble and test prior to shipment.



Use our large selection of component pieces to modify a regulator or other standard equipment.

Configured Equipment

Connecting gas handling equipment components together correctly and safely requires expertise. Matheson Tri-Gas will pre-assemble all system components, link them and test them as a single unit. Depending on the application and sophistication of your request, we will engineer and document your request with shop drawings, piping and instrument flow drawings, schematics, and conduct a hazardous operations review.



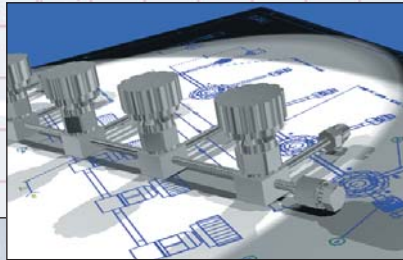
Configured gas cabinets with all components mounted, tested and shipped as one complete unit.



A configured LabGas™ panel with 12 sections.

Custom Equipment

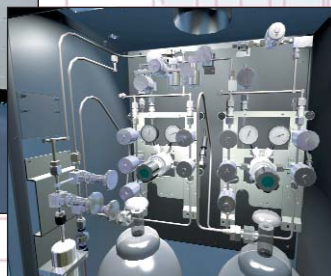
Matheson Tri-Gas offers a full complement of skilled professional engineers to help you design custom gas handling equipment solutions. From start to finish, we provide design, engineering, documentation, manufacturing, installation, start-up and support. Whether you need a simple custom valve panel or a more complex fully automated programmable logic controlled system, we have the talent, facility and desire to assist you.



Complete engineering services.



Custom PLC Gas Handling Systems



3D CAD Modeling

Design and Manufacturing Capabilities:

Matheson's specialized capabilities with high purity gases will assure you of the best gas handling system for your product.

Our capabilities include:

- ◆ **Engineering & Design**
 - Complete Engineering and Design Staff
 - 3D CAD Modeling
 - Safety Compliance
- ◆ **High Purity Welding**
 - Tube Fabrication
 - Cleanroom Welding
 - DI Water Systems for Component Cleaning
- ◆ **Electronics Laboratory**
 - Mass Flow Control (MFC) Calibrations
 - PLC Design & Assembly
 - Controller Assembly
- ◆ **Cleanroom Assembly Areas**
 - Welding
 - Final Assembly and Product Testing
- ◆ **Final Assembly Areas**
 - Clean Manufacturing Area
 - Staging Areas

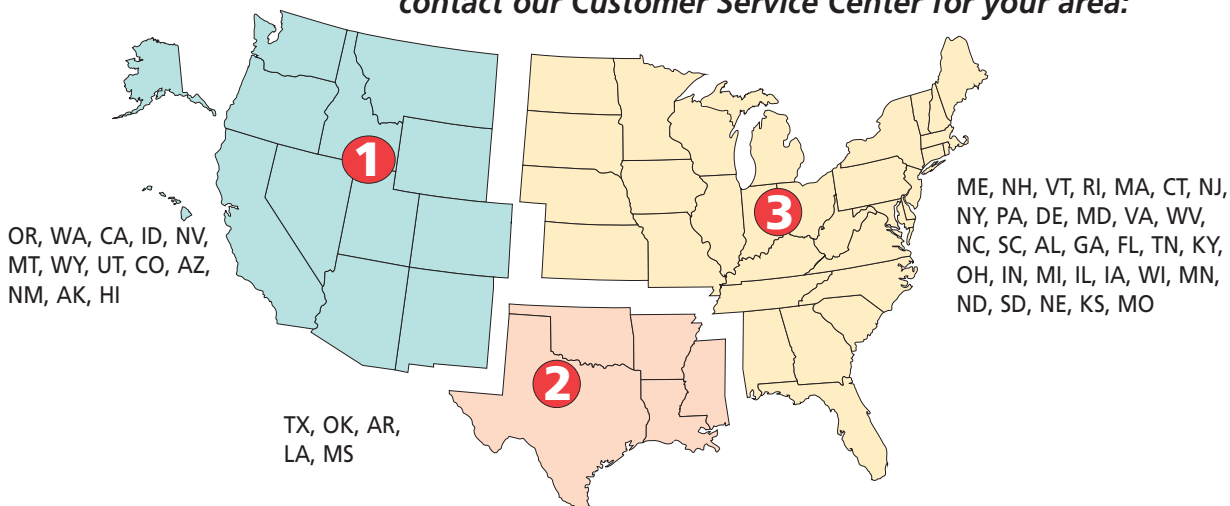
If you think our broad range gas handling capabilities, 70 plus years of experience, and commitment to service can help you call us at 1-800-416-2505.



MATHESON TRI•GAS

CUSTOMER SERVICE CENTERS

To place an order, or to obtain more information, please contact our Customer Service Center for your area:



SPECIALTY GASES

1
6775 Central Avenue
Newark, CA 94560
Phone: 510-793-2559
Fax: 510-790-6241
Email: mtgnewark@matheson-trigas.com

2
2200 Houston Avenue
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Fax: 713-869-0994
Email: mtghouston@matheson-trigas.com

3
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CHEMTREC
Phone: 800-424-9300

MATERIAL SAFETY DATA SHEETS (MSDS)

Data Sheets for gases can be downloaded from the Matheson Tri-Gas, Inc. Web site at www.mathesontrigas.com/msds



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