



# smith

**GAS, WELDING, & SAFETY SOLUTIONS**

S.J. Smith Company, Inc., is ISO/IEC 17025:2017 Accredited, #97958

**GAS  
CUSTOM  
MEDICAL  
LAB  
CALIBRATION  
DRY ICE  
RESEARCH  
SAFETY  
SERVICE**



**S.J. Smith provides a wide range of specialty gases and equipment** to meet regulatory requirements from the EPA and others. We offer calibration products for cost-effective solutions, including:

- BTU calibration mixes
- Certified standards
- Disposable calibration cylinders for industrial hygiene and lab
- EPA protocols
- Cylinders, cradles, tube trailers, micro-bulk and bulk gas
- Primary/NIST traceable standards
- Zero and UHP gases

### Services

S.J. Smith works closely with colleges and universities to install gas equipment, including in-person meetings and site assessment, and full-service installation. Each project is tailored to customer requirements, usage and research goals, as well as your geographic location and proximity to service. We'll provide recommendations on the right level and type of gas, as well as the lab equipment you'll need to ensure best results. Services we offer include:



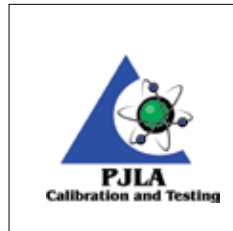
- Cryo installation service technology
- Full-service telemetry
- Leak detection
- Lab safety audits



**Laboratory gas mixes**  
Our specialty gas laboratory manufactures and provides customized lab gas mixtures for research laboratories across Illinois, Iowa and Missouri.

### Purity Plus

S.J. Smith now offers the increased quality and selection of the PurityPlus brand. The PurityPlus program sets stringent operational standards to provide certified-quality gases verified annually by a third-party auditor.



### Accreditation

S.J. Smith is ISO/IEC 17025:2017 accredited, #97958, for Chemical Testing from the Perry Johnson Laboratory Accreditation, Inc. (PJLA), which means we can provide the highest purity and quality gases you need.

### Medical and life science gases

We provide quality medical and life science gases, including:

- Aerobic and anaerobic gas mixes
- Blood gas mixes
- Bulk and Micro-bulk
- Carbon dioxide
- Liquid nitrogen
- Liquid helium
- Lung diffusion mixes
- Medical air
- Nitrogen
- Nitrous oxide, USP
- Oxygen



## Gas Installation

No matter what your current gas use is, S.J. Smith can provide you with the gases and accessories you need. Our engineered gas system offerings include auto changeover manifolds, gas mixing, high pressure purging or pressure testing, and laser gas systems.



## Bulk and micro-bulk gas

We provide industrial, bulk, medical and laser gas across the Midwest. S.J. Smith is a primary provider of bulk and micro-bulk services in Illinois, Iowa, and northeast and central Missouri, for gases including nitrogen, oxygen, argon, helium, hydrogen and carbon dioxide. We also provide gases such as acetylene, propane and gas mixes, as well as all the accessories.



## Dry Ice

We have a team of dedicated staff trained to assess your dry ice needs, as well as to produce and deliver the freshest dry ice possible within your needed timeframe. S.J. Smith provides fresh dry ice to colleges and universities in Illinois, Iowa and Missouri. We also sell and rent dry ice blasting equipment, and can provide demonstrations for your organization.

## Products and equipment

We work with top manufacturers to bring you an extensive line of equipment for your needs, including:

- Automatic changeovers
- Cylinder holders
- Gas blenders
- Gas cabinets
- Gas generators
- Liquid transfer hoses and connectors
- Manifolds
- Mass flow controllers
- Molecular Sieves
- Point-of-use panels
- Protocol Stations
- Regulators
- Semi-automatic changeovers
- Whisper valve – reduces vent noise



## Calibration gases

These smaller, convenient and portable cylinders – recommended for both reactive and non-reactive gas mixtures and pure gases such as argon, helium and nitrogen – don't require a deposit or have a monthly rental charge. With a wide range of capacities for any field calibration requirement, they eliminate over-purchasing when small quantities are needed.



Learn more about how our gas solutions can help you. S.J. Smith is the provider you need in the Illinois, Iowa and northeast Missouri areas. 📍



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- Email [specialtygases@sjsmith.com](mailto:specialtygases@sjsmith.com).
- Visit one of our 12 locations in Illinois, Iowa and Missouri.
- Find our products at [sjsmith.com/gases](http://sjsmith.com/gases).

**Our specialty gas team:**  
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