

NorLab Specialty & Calibration Gasses



Refillable Aluminum and Steel
Cylinders for pure gases to 99.9999%
purity and gas mixtures blended to
+/- 1% accuracy with NIST traceability.



Steel Cylinders

These smaller-sized, lightweight cylinders require no deposit or monthly rental charge. They are easier to handle, less expensive to ship, and use very little space. They also eliminate over-purchasing when only small quantities are necessary. These steel cylinders are recommended for non-reactive gas mixtures and pure gases such as argon, helium and nitrogen. They combine a convenient, portable size with a wide range of capacities (from 17 liters (0.6 cu. ft.) to 550 liters (19.4 cu. ft.)) to handle any field calibration requirement.

Aluminum Cylinders

These compact, lightweight aluminum cylinders are recommended for gas mixtures that are not stable in steel cylinders. Typical components blended in these packages include ammonia, chlorine, hydrogen sulfide, nitric oxide, nitrogen dioxide and sulfur dioxide. They are available in capacities from 11 liters (0.4 cu. ft.) to 104 liters (3.7 cu. ft.) and are conveniently transported in a NorLab carrying case or bag. They are non-refillable, except the “3A” cylinder, which is a refillable package.

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Calibration and Specialty Gasses

Pure and Rare Gases

Acetylene, 99.6%
Air, Ultrapure, HCF, Zero
Argon, 99.998% - 99.9999%
Helium, 99.995% - 99.9999%
Hydrogen, 99.99% - 99.9999%
Krypton, 99.9985+%
Methane, 99.0% - 99.99%
Neon, 99.9988+%
Nitrogen, 99.998% - 99.9999%
Oxygen, 99.99% - 99.999%
Sulfur Hexafluoride, 99.9%
Xenon, 99.9985%

Special Application Mixtures

Laser Mixes
Flame Ionization Mixes
Nuclear Counter Mixes (P-10)
Electron Capture Mixes (P-5)
Leak Detection Mixes
Boiler Efficiency Mixes

Industrial Hygiene Mixtures

Non-Reactive

Carbon Dioxide in Nitrogen
Carbon Monoxide in Air
Hexane in Air or Nitrogen
HCFCs in Air or Nitrogen
Isobutylene in Air
Methane in Air
Methane, Carbon Monoxide in Air
Oxygen in Nitrogen

Reactive

Ammonia in Air or Nitrogen
Chlorine in Nitrogen
Ethylene Oxide in Nitrogen
Hydrogen Sulfide Quad Mixtures
Nitric Oxide in Nitrogen
Nitrogen Dioxide in Air or Nitrogen
Sulfur Dioxide in Air or Nitrogen

Hydrocarbon Mixtures

Natural Gas Standards
Transformer Oil Standards
Butane Standards
Ethylene Standards
1,3 Butadiene Standards

Medical Mixtures

Blood Gas Mixtures
Lung Diffusion Mixtures
Anaerobic Mixtures
Sterilant Gas Mixtures
Helium/Oxygen Mixtures

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Environmental Mixtures

EPA Protocols

Carbon Dioxide in Air or Nitrogen
Carbon Monoxide in Air or Nitrogen
Nitric Oxide in Nitrogen
Sulfur Dioxide, Nitric Oxide in Nitrogen

VOC Mixtures

Acetone in Nitrogen
Benzene in Nitrogen
BTEX Mixes
Carbon Tetrachloride in Nitrogen
MEK in Nitrogen
Styrene in Nitrogen
Toluene in Nitrogen
Xylene in Nitrogen

Regulators

Preset Flow Regulators

Multiflow Regulators

Pressure Reducing Regulators

HP Series and CRG Series



Calibration Accessories

NorLab offers custom calibration kits for your portable cylinders. Our two, three, or four-bottle cases provide a safe and convenient method for transporting and storing your NorLab calibration standards. Add a fixed-flow, multiflow or pressure reduction regulator and your calibration kit is complete. We have also introduced a “hands-free” carrying bag to accommodate two cylinders. Carry it over the shoulder or on a belt around your waist.

