

SPECIALTY GASES OVERVIEW



SPECIALTY GASES

- Certified Mixtures
- Primary Mixtures
- EPA Protocol Gases
- Hydrocarbon Gases / Liquids
- Laser Gas Mixtures
- Medical Device / Drug Gas Mixtures
- 6K (6000 PSI) Gases
- Confined Space Calibration & Mixtures
- Breath Alcohol Mixtures
- Pure Gases / Cryogenic Liquids

GAS DELIVERY & SUPPORT EQUIPMENT

- High Purity Pressure Regulators
- Protocol Stations
- Switch-Over Manifolds
- Flowmeters
- Check Valves

SERVICES

- Custom Piping
- On-Site UE Cylinder Retesting
- System Design Consultation
- Personalized Customer Service / Rental Support
- Safety Training
- Disposal of Cylinders

MAYBE IT'S TIME TO LOOK AT ILMO

ILMO is approachable and easy to work with. Plus, when it comes to quality, our lab is accredited to ISO/IEC 17025: 2017 and ISO 17034: 2016; rigorous quality standards met by many national companies. And since ILMO Specialty Gases is independently owned, you can count on the kind of individualized service and thoughtful attention we have been practicing for over 100 years.



THE EXACT GAS YOU NEED, EVERY TIME

For decades, ILMO Specialty Gases has been providing custom calibration mixtures for the chemical testing industry.

Our production lab is accredited to ISO/IEC 17025: 2017, which is a highly specialized credential that supports our analytical process and bolsters our commitment to quality. ILMO's lab has much of the same equipment that yours has, guaranteeing that our gas meets your instrument specifications. So when you buy from ILMO, you can feel confident you're getting the exact gas you need.



ILMO: YOUR SINGLE-SOURCE PROVIDER OF MEDICAL, INDUSTRIAL, AND LABORATORY GAS

ISO/IEC 17025: 2017 ACCREDITED

HIGH PURITY GAS DELIVERY & EQUIPMENT

GAS HANDLING EQUIPMENT

We can stock your lab with all of the equipment you'll need. We can provide custom installation services for your manifolds, switchover systems, monitors, and gas detection systems. We also sell a full line of regulators (general purpose, high purity, high pressure, high flow, line, lecture bottle, miniature, and corrosive), flowmeters, purifiers and filters, purge assemblies, valves, and bio-medical and cryogenic equipment.



Auto Switchover



High Purity Regulator



Fully Automatic Switchover



Gas Cabinets



SafeTCart
Medical Cylinder Cart



Protocol Station

SERVICE AREA

ILMO's ground service area includes Illinois and Missouri for large volume gas users. Uniquely, ILMO is an owner/member of Purity Plus™ Specialty Gases, a co-op of specialty gas distributors that work together for customers like you who need a reliable, high-quality product available in multiple locations and for national accounts.

MOBILITY

ILMO can ship high and ultra-high purity gases right to your door no matter where you're located! Using a variety of disposable or refillable cylinder sizes and volumes, we can provide you with portable, reliable calibration gas in a cost-effective cylinder, eliminating return shipping fees and cylinder rent.

MAXIMUM SAFETY MEASURES

All cylinders are pressure-checked and all cylinders lots are traceable by laboratory database.

SAFETY EQUIPMENT & SERVICES

GAS MONITORING SAFETY

THE IMPORTANCE OF CALIBRATION GAS

It is vital to worker safety that gas monitoring instruments are calibrated regularly. Only properly calibrated gas monitoring instruments ensure worker safety from unseen atmospheric hazards.

WHEN DO I USE GAS DETECTION EQUIPMENT?

Whenever a worker enters an area with potential atmospheric hazards, gas detectors are to be used. Gas detection instruments are used to detect the presence of toxic and combustible gases, as well as oxygen deficiency or oxygen enrichment.

WHERE SHOULD I CALIBRATE?

Calibrating gas detectors at locations where the equipment is to be used is always preferable. Electrochemical sensor response will be different (lower or higher) depending on the actual environmental conditions.

WHY SHOULD I CALIBRATE?

Calibrating a gas detector sets the gas reference points to activate the alarms. Good gas monitors with poor calibration can result in severe bodily damage and even death.

ALARMS ON GAS DETECTION INSTRUMENTS

Most instruments are equipped with two levels of alarms – warning and danger. The warning alarm is for the detection of a gas level that is potentially hazardous, the danger alarm indicates a gas concentration at the “hazard” threshold.

RKI INSTRUMENTS

GAS DETECTION EQUIPMENT

RKI instruments will protect your life and property from the hazards of gases and vapors, and with proper care, it may also be the last gas detector you will ever need to purchase.



GX-3R Pro
Five Gas Monitor

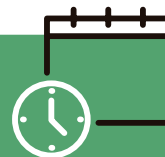


GX-6000
6 Gas Sample Draw with PID,
IR, & Super Toxics



GX-3R
Four Gas Monitor

SCHEDULE YOUR SAFETY SEMINAR



Our Safety Seminars are designed to promote a safe environment for your employees that use compressed and/or cryogenic gas products. We discuss basic compressed and cryogenic safe practices and also delve into selecting the right equipment for the right application. The seminar lasts between 40-45 minutes with questions and individual consultation following.

DISPOSABLE CALIBRATION GAS CYLINDERS

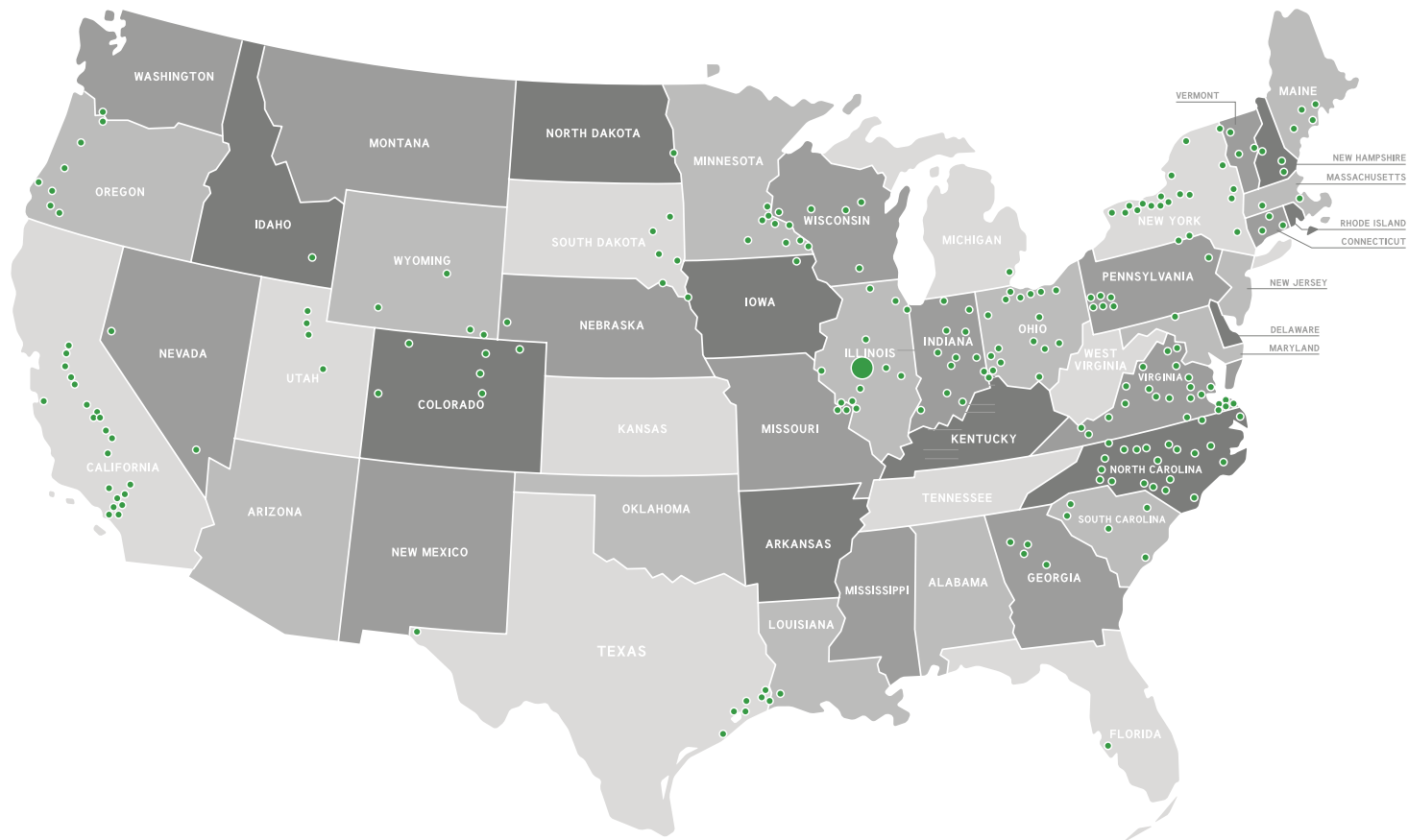


600L Aluminium	552L Steel	221L Steel	116L Aluminium	105L Aluminium	74L Aluminium	58L Aluminium	34L Aluminium	34L Steel
Pressure 1900 psi	Pressure 2200 psi	Pressure 250 psi	Pressure 1000 psi	Pressure 1200 psi	Pressure 500 psi	Pressure 500 psi	Pressure 500 psi	Pressure 500 psi
Gas Type Non-Reactive	Gas Type Non-Reactive	Gas Type Non-Reactive	Gas Type Most Reactive	Gas Type Non-Reactive	Gas Type All Reactive Mixes	Gas Type All Reactive Mixes	Gas Type All Reactive Mixes	Gas Type Non-Reactive

CYLINDER DATA & CROSS REFERENCE CHART

	PurityPlus	DOT Number	Size (Inches)	Tare Weight (Pounds)	Water Volume (Cu. Ft.)	Airgas	BOC/Linde	Air Products	Praxair	Scott	Matheson	Air Liquide
STEEL	300	3AA2400	9 x 60	143	1.73	300	300	A	T	K	IL	49
	200	3AA2015	9 x 56	133	1.54	200	200	B	K	A	IA	44
	80	3AA2015	8.5 x 31	65	0.52	80	80	C	Q	B	2	16
	30	3AA2015	6 x 24	29	0.26	35	30	D1	G	C	3	7
	10	3AA2015	4 x 20	10	0.11	10	12	D	F	D	4	3
	LB	3E1800	2 x 16	4	0.015	LB	2	LB	LB	LB	LB	LB
	ELB	3E1800	2 x 16	4	0.015	LX	7X	LG	ELB		7X	
	E	3AA2015	4.5 x 31	13	0.17	E	E	Med. E	ANE	ER		MEDE
	AA380	8AL	12 x 8	13	N/A	380	5	A	Lab380	XF	IB	380
	LP300	4BW240	15 x 48	75	3.83	350		A1	FX	XL	1F	350
	LP150	4AA480	15 x 52	151	4.46	150	150	AA	FA	XG	1K	150
	LP60	4BA300	10 x 53	55	1.97	65		A3	FC	XP	IJ	65
	6000	3AA6000	10 x 51	303	1.5	3HP	485		6K		1U	44H
	3500	3AA6000	9.25 x 51	189	1.54	2HP			3K		1H	
ALUMINUM												
	AL150	3AL2015	8 x 53	48	1.04	150A	150A	B(AL)	ALS	AI	1R	30AL
	AL80	3AL2015	7 x 38	30	0.55	80A	80A	C(AL)	ALQ	BL	2R	22AL
	AL30	3AL2015	7 x 21	9	0.14	33A	30A	DL(AL)	ALH	CL	3R	7AL

PURITY PLUS LOCATION MAP



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