

# Argon

[< Back to Gases](#)



## Argon Gas for Sale

Argon is one of the most abundant gases in the Earth's atmosphere. This gas is non-flammable, has the same solubility in water as oxygen and is more than two times more soluble than nitrogen. Argon is a noble gas and shares the same characteristics as other materials in this classification. It is colorless, odorless and inert to other substances.

When you work with Meritus Gas Partners, our independent distributors will supply your business with industrial-grade argon gas that can add value to your manufacturing operations.

# Compressed Argon

Argon is available in high-pressure cylinders for pickup or delivery. Retail locations typically have some industrial-grade argon cylinders on hand. Call our closest location to check the availability of specific sizes and grades.

DESCRIPTION	CAPACITY (CF)	PRESSURE (PSIG)	VALVE STYLE	HEIGHT (IN)	WEIGHT (LBS)
AR 40	42	2015	CGA 580	19.5	60
AR 55	58	2015	CGA 580	25.0	60
AR Q	83	2015	CGA 580	31.9	70
AR M	124	2265	CGA 580	42.7	70
AR S	154	2015	CGA 580	46.0	70
AR K	248	2200	CGA 580	50.6	90
AR T	335	2400	CGA 580	55.0	90

Source: [https://kaplanindustries.com/wp-content/uploads/sites/6/2019/08/Kaplan\\_Industrial\\_Cylinder\\_Specification\\_Sheet-REV-8-13-2019.pdf](https://kaplanindustries.com/wp-content/uploads/sites/6/2019/08/Kaplan_Industrial_Cylinder_Specification_Sheet-REV-8-13-2019.pdf)

# Liquid Argon

Argon is available in liquid dewars for delivery. For most applications, the 230 psig dewars are sufficient. There are also 350 psig dewars available. Call your closest location to check the availability of specific sizes and grades.

---

DESCRIPTION	CAPACITY (LITERS)	CAPACITY (CF)	PRESSURE (PSIG)	LIQUID VALVE STYLE
AR LC180 HP	180	4719	350	CGA 295
AR LC240 HP	240	5977	350	CGA 295

Source: <https://cyl-tec.com/downloads/CylTec-Titan-Liquid-Cylinders.pdf>

# Bulk Argon and Microbulk Argon

Argon is available for delivery in bulk directly to your facility. Bulk and microbulk services typically require the installation of a concrete pad in an area that can accommodate a tractor-trailer-sized delivery unit. We will perform a site survey to assist in site selection and determine appropriate unit sizing before providing a proposal.

DESCRIPTION	CAPACITY (LIQUID)	CAPACITY (GAS)
Microbulk	500-5000 liters	14854-148549 cf
Bulk	1500-13000 gallons	168714-1462186 cf

# Argon Grades and Mixtures

Argon is available in a broad range of grades ranging from industrial grade (99.998% pure) up to research grade, which is 99.9999% (aka "six nines") argon, where impurities are measured in parts per billion quantities. Combinations of argon with other gases in two-part and three-part mixtures are frequently used in MIG and TIG welding applications. Argon specialty gas mixtures are also available, where argon is a minor component or the balance gas. Contact us for more information about the grades and mixtures your Meritus Gas Partners distributor has available in your market.

GRADE	ASSAY	MOISTURE	HYDROCARBON
Industrial	99.998%	<3 ppm	N/A
Ultra High Purity (UHP) 5.0	99.999%	<1 ppm	<0.5 ppm
Zero Grade 4.7	99.997%	N/A	<0.5 ppm

# Argon Cost and Availability

Argon makes up approximately 1% of the earth's atmosphere and it is produced as part of the air separation process (cryogenic distillation of air) that also produces oxygen and nitrogen.\* The larger the

Air Separation Unit (ASU), the more argon can be potentially produced. Not all ASUs capture the argon, and not all liquid argon is produced as fully refined argon.

There are some plants that produce “crude argon,” which is either sold as-is as an oxygen-enriched welding mixture or shipped to another ASU with a large enough argon refinery to clean up the crude to industrial grade (99.997%). Air separation by cryogenic distillation uses tens of thousands of horsepower of electric motors to drive massive compression equipment. This means that the primary argon cost driver is electric power. Labor and transportation expenses, including diesel fuel, also play a role in the cost of delivered argon.

Argon is one of the few industrial gases that is also moved by rail from large individual air separation plants and multi-plant pipeline complexes to regions served by ASUs too small to produce enough argon to satisfy local demand. Rising rail costs and declining rail service levels add to the cost of argon in many parts of the country.

*\* Rare gases, including krypton, neon and xenon, are also produced by the air separation process but only at the largest plants (typically >2000tpd of capacity).*

# Where Can You Use Argon Gas?

Argon is an essential gas for a wide range of industries and processes.

<b>Manufacturing</b>	^
Welding and casting operations can use argon gas when working with specialty alloys or manufacturing titanium. Argon can also act as a shield during arc welding processes by forming a barrier between the metal and atmospheric oxygen. In steel manufacturing, the gas can minimize chromium losses, allowing the manufacturer to achieve the desired carbon content at a lower temperature.	
<b>Health Care</b>	v
<b>Glass Filling</b>	v

<b>Glass Manufacturing</b>	▼
<b>Preserving Beverages</b>	▼
<b>Preserving Documents</b>	▼
<b>Lighting</b>	▼
<b>Scuba Diving</b>	▼



## Why Choose a Meritus Gas Partners Distributor as Your Argon Gas Supplier?

Get the most out of your gas supplier when you receive the resources you need and the stellar service you deserve — delivered by local brands that retain their long-standing reputations.

At Meritus Gas Partners, our members can provide reliable delivery for argon gas products that meet your company's unique requirements. Offerings include industrial-grade argon 5.0 and argon 6.0. These high-purity products work well as shielding gas for welding and other metal processing applications and in various surface preparation and finishing techniques.

We work with independent gas distributors to offer our customers increased access to gases and equipment while maintaining incredible customer service on an individual level. Our partners maintain their independence, so they offer the customer experience you expect from a local, family-owned and -operated company. However, our federation supports our distributors' growth with resources that help small businesses achieve big-company capabilities. We help our distributors keep up with rising costs and maintain compliance so you can feel confident in their services.

## Find Argon Gas For Sale Near You

Discover how buying argon gas and related equipment from a Meritus Gas Partners distributor can help your company improve operations. Our independent distributors specialize in providing gases and hardgoods, uniquely positioning us to source and supply the resources you need. Take the next step and return our online contact form today or see where to purchase industrial-grade gas cylinders in your area.

**CONTACT US →**

[SITEMAP](#)   [TERMS](#)   [PRIVACY POLICY](#)  
COPYRIGHT © 2024. ALL RIGHTS RESERVED.

