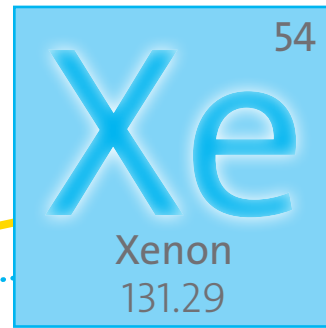
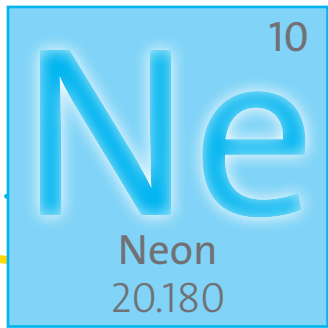


Rare Gases



Neon/Krypton/Xenon



As a global supplier of electronics and non-electronics specialty gases, Air Products has a long history of providing rare gases to a diverse customer base.

Air Products' rare gases customers can count on our global supply network, world-class service, expert technical assistance, commitment to quality and industry-recognized safety record.

XeCoverSM

The XeCover xenon recovery service is an on-site service that extracts xenon from process effluent streams. It is customized to address each customer's process. Customers experience a high recovery efficiency and stabilized-lower xenon cost.

Xenon/krypton/neon major applications

Aerospace

Since the 1960s, Air Products continues to be a leading supplier of gases and solutions for the aerospace industry. We offer **xenon** for the following aerospace applications: satellite programs, space travel, propulsion agent for spacecrafts, satellite thrusters and interplanetary probes.

Electronics

Air Products is a global industrial gases supplier in electronics. Our **rare gases** can be used in many electronics applications such as excimer lasers, buffer gas for semiconductor manufacturing, deep trench etching of DRAM integrated circuits, focused etch process, and plasma panel display. Other applications include EUV lithography in integrated circuit fabrication, **He/Ne** mixes for optical readers and laser wafer dicing, and **Kr/F** lasers used for integrated circuit fabrication.

Glass

Krypton is used as a filler in the production of double and triple-pane insulated windows. Krypton offers various advantages over other gases including reducing heat loss, increasing heat transfer resistance in the unit, and reducing levels of solar radiation. You can also increase the R-value or decrease the U-factor for window and door insulation with **krypton, xenon** and **rare gas mixtures**. Since Air Products has serviced many of the large glass manufacturers for decades, we have intimate expertise regarding your specific glass requirements.

Distribution

Since xenon, krypton and neon are rare elements, it is critical to have efficient production, distribution and warehousing to ensure reliable global supply. Air Products is well positioned leveraging a global network of sources, supply chain and inventory management to support and service its customers.



Xenon/krypton/neon major applications

Lasers

Neon-based excimer lasers are utilized for etching silicon wafers, LASIK eye surgery, micro-machining organic materials, UV lithography in integrated circuit fabrication, and micro drilling. **He/Ne mixes** are used for optical readers and wafer dicing. **Krypton** gas lasers find application in scientific research as well as white light lasers and light shows. These and other laser applications can be discussed with our experienced representatives.

Lighting

Krypton is used for bright white light and long lasting incandescent bulbs, as well as photographic lighting applications. **Neon** is used for lighting in signs. Stadiums, automotive HID, head lights, IMAX theaters, photography and other concentrated, bright-light applications rely on **xenon** for their lighting needs.

Call our knowledgeable representatives to discuss your rare gas needs.

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Our people make the difference

Our highly trained and experienced specialists make sure you get the industrial gas supply you need safely, efficiently, and on time. From our highly skilled drivers, to our scheduling specialists, to our plant personnel — each is dedicated to flawless execution, 24 hours a day, 365 days a year. Our people are our most valuable asset because they deliver the difference that characterizes our gas products and services. And our exceptional level of service has earned us recognition — year after year — from customers of all sizes.



tell me more
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