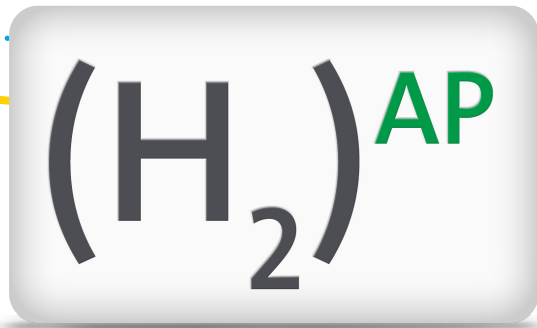


Hydrogen solutions powered by technology, reliability and safety

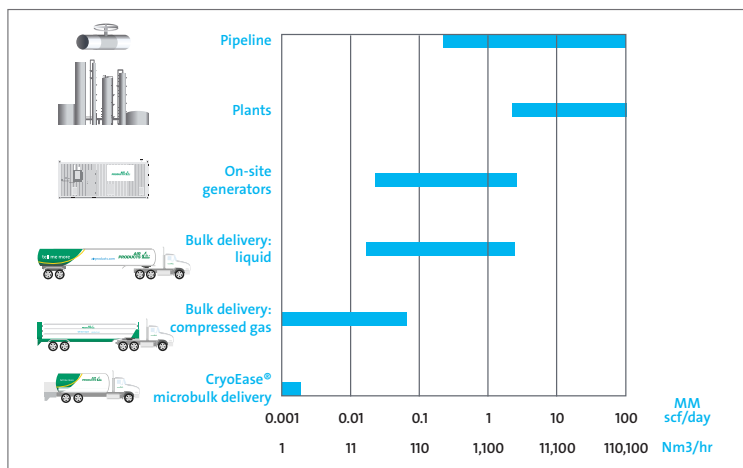
Expect more from world's largest producer
and supplier of merchant hydrogen



Whether you buy hydrogen or generate it yourself, Air Products has ways to help you improve efficiency and lower costs. We can help you determine the most cost-effective supply option to meet your needs. Our engineers have many years of experience in developing and running hydrogenation processes. We can help you to optimize your system's gas-liquid transfer to improve its productivity and help you achieve safe operations.

Supply options to meet your needs and stay on budget

Our engineers can recommend the most efficient and cost-effective supply mode based on your volume, pressure, purity level, flow rate and operating pattern.



The Air Products advantage

Many suppliers can sell you hydrogen. Air Products can give you the edge you need to outperform the competition. Here's why:

- Largest merchant hydrogen producer and supplier in the world
- Global reliability record of over 99.9%-supplying product on time at the flow, purity and pressure our customers specify
- Dedicated, privately owned delivery fleet
- A leader in hydrogen safety
- Dedicated 24/7 customer service
- Proprietary cryogenic hydrogen compressor system delivers high pressures at flows that match process demand
- Ultra efficient, high-purity hydrogen generators
- After-sale contract maintenance services

Liquid Hydrogen	PRISM® Hydrogen Generators	Cryogenic Hydrogen Compressor	Hydrogen Labs	Computational Modeling
<ul style="list-style-type: none"> • Reliable supply • ~45% of the entire North American Capacity • Dedicated, privately owned delivery fleet of more than 100 tanker trucks 	<ul style="list-style-type: none"> • High purity hydrogen generated on-site using proprietary technology • Fully skidded, modular design for low cost installation • 30% reduction in natural gas usage v. competitors • More independence from your utilities, and a direct savings to your P&L 	<ul style="list-style-type: none"> • The only load-following liquid hydrogen compressor • Fully skidded, modular design for low cost installation • 30% reduction in natural gas usage v. competitors • More independence from your utilities, and a direct savings to your P&L 	<ul style="list-style-type: none"> • Continuous and batch hydrogenation labs in Allentown, PA • Catalyst testing, operating conditions and production trials to reduce operating costs • Won't interrupt your production or risk poor quality product • Available to both customers and prospects 	<ul style="list-style-type: none"> • Statistical Design and Analysis • Reaction Kinetics • Computational Fluid Dynamics • De-bottlenecking of processes requiring additional capacity or cooling • Computational Fluid Dynamics • Available to both customers and prospects

Safety is paramount

Safety means being educated, being prepared and understanding the risks of your operation. Air Products has a Total Safety Philosophy, meaning we believe that nothing is more important than safety. We live by the principles that every accident and injury is preventable, safety is a management as well as individual responsibility and every task must be performed with a concern for safety.

For more information, please contact us at:

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