

The right nitrogen supply can save you money

You have many options for meeting increased nitrogen demand. At Air Products, we ensure that you choose the option that is best suited for your operation—optimizing price, purity and reliability.

Choosing the best source of supply depends on several factors:

- Volume needs (daily average, peak/low)
- Purity
- Usage pattern (erratic, baseline, periodic or combination)
- Distance from an industrial gas supply source

No matter what your nitrogen needs, we can supply them.

We offer a complete range of nitrogen supply options ranging from delivered liquid to on-site nitrogen generation and the expertise necessary to help you choose the right one.

Cryogenic plants

Our standard cryogenic nitrogen plants provide a cost-effective on-site nitrogen generation option for high-purity applications. They offer:

- volumes starting at 20,000 scfh (500 Nm³/h) up to 700,000 scfh (18,400 Nm³/h)
- associated liquid nitrogen production

PRISM® HPN systems

Our high-purity nitrogen plants provide an off-the-shelf option for lower-volume, high-purity applications. They offer:

- standard flow rates from 8,000–130,000 scfh (200–3,400 Nm³/h)
- simple design

PRISM nitrogen membrane systems

Our membrane-based nitrogen generation systems are ideal for many smaller applications. They offer:

- purities up to 99.9%
- fast installation
- significant savings over cylinders, dewars and bulk tanks

PRISM nitrogen PSA systems

Our exclusive pressure-swing adsorption (PSA) systems can be installed as-is or customized to meet your needs. They offer:

- standard flow rates up to 100,000 scfh (3,000 Nm³/h)
- purities up to 99.999%
- significant savings over cylinders, dewars and bulk tanks

Merchant liquid

We deliver nitrogen in insulated tanks and store it on-site for use as liquid or as a gas after vaporization.

APEX industrial nitrogen services

We offer fast, flexible temporary nitrogen supply and associated services for inerting, cooldown and purging.

We can identify potential savings

Under our Total Gas Management™ program, our experts review your nitrogen use and identify potential gas-related savings. By widening the program to include hydrogen, oxygen, plant air and cylinder gases, your savings can be dramatic.



Air Products' PRISM High-Purity Nitrogen System offers a highly reliable nitrogen supply at significant cost savings over standard liquid supply or a cryogenic air separation plant.

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