

Air Products Express (APEX) Services

Fast, Flexible Industrial Nitrogen Services (INS) for a Range of Pipeline Applications

Air Products' APEX Industrial Nitrogen Services provide just what you need: fast, flexible supply of nitrogen for your product displacements, line drying, pressure testing, and maintenance purging activities. Part of our full spectrum of services, APEX nitrogen supply can easily save time and money while safely and effectively meeting your pipeline needs in an environmentally friendly manner.

APEX—Fast and flexible benefits

- **Custom engineered service**—geared specifically to your particular needs. When you use APEX services, we use our technical expertise and computer modeling to determine and deliver the most cost-effective nitrogen supply solution for your needs.
- **Quick commitment**—through our dedicated APEX hotline: 1-800-APEXGAS. You can call 24 hours a day, 7 days a week and get a timely assessment of your needs and a fast supply commitment for your job.

Operating Specifications

Flow Rates to 500,000 scfh
Pressures to 10,000 psig
Temperatures to +800°F
Nitrogen Storage to 279,000 scf

- **Rapid response**—with an extensive fleet of mobile pumping units strategically located nationwide, you can expect our units to respond quickly to unexpected requirements.
- **Fast set-up**—with no infrastructure or capital investment required. Whatever your pipeline job, our self-contained pumping units arrive ready to hook up and start working. Our operators will set up the equipment to supply the flow rates, pressures, and temperatures required for your job. The operating parameters can be adjusted quickly and easily to suit your needs.

Flexible operation

- Flow rates to 500,000 scfh per pumper; multiple pumpers can be used
- Pressures from 0 to 10,000 psig
- Temperatures from -320°F to +800°F
- Nitrogen storage to 279,000 scf

APEX—Wide range of applications

- **Product displacement**—using pressurized nitrogen is increasingly popular given its relatively low cost and environmentally friendly nature when compared to other displacement options. Our proprietary computer model accurately predicts nitrogen volumes, back pressures, barrel count, line pressures, etc., reflecting dynamic changes due to elevation changes, inventory levels, and product conditions.



- **Pressure testing**—using nitrogen or nitrogen helium mixes is an economic, environmentally friendly alternative to hydrostatic testing (eliminating water disposal and drying/inerting requirements). Pressures to 10,000 psig are available, with our pumping units providing overpressure protection and spring-loaded line safeties sized for your particular requirement.
- **Drying and inerting**—is routinely performed on lines following initial construction and testing, prior to and following maintenance, and prior to product conversions or idling. Using our high-flow-rate hot nitrogen capabilities can reduce drying time and final dew points by up to 70% over other methods. Air Products guarantees a maximum moisture level in nitrogen of 3.53 ppm water.

To find out more . . .

For placing orders or for more information on Air Products' APEX Industrial Nitrogen Services, please contact:

1-800-APEXGAS (1-800-273-9427)

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