

# N30



Praxair's Onsite Nitrogen plants are the preferred solution for customers who demand high reliability and low total cost of supply.

If you are focused on efficiency, Praxair Onsite Nitrogen plants are designed with you in mind. You care about the cost of nitrogen, but you also know how important it is to your operation. Praxair plants are designed and constructed to meet stringent reliability requirements. Praxair plants are also designed to be efficient.

Praxair's modular plant design means we will install your plant in a matter of days with a minimum of disruption to your facility and operation. The combination of effective installation, high efficiency and reliability makes Praxair's Onsite Nitrogen system the cost effective choice.

## Praxair's Onsite Nitrogen Plants:

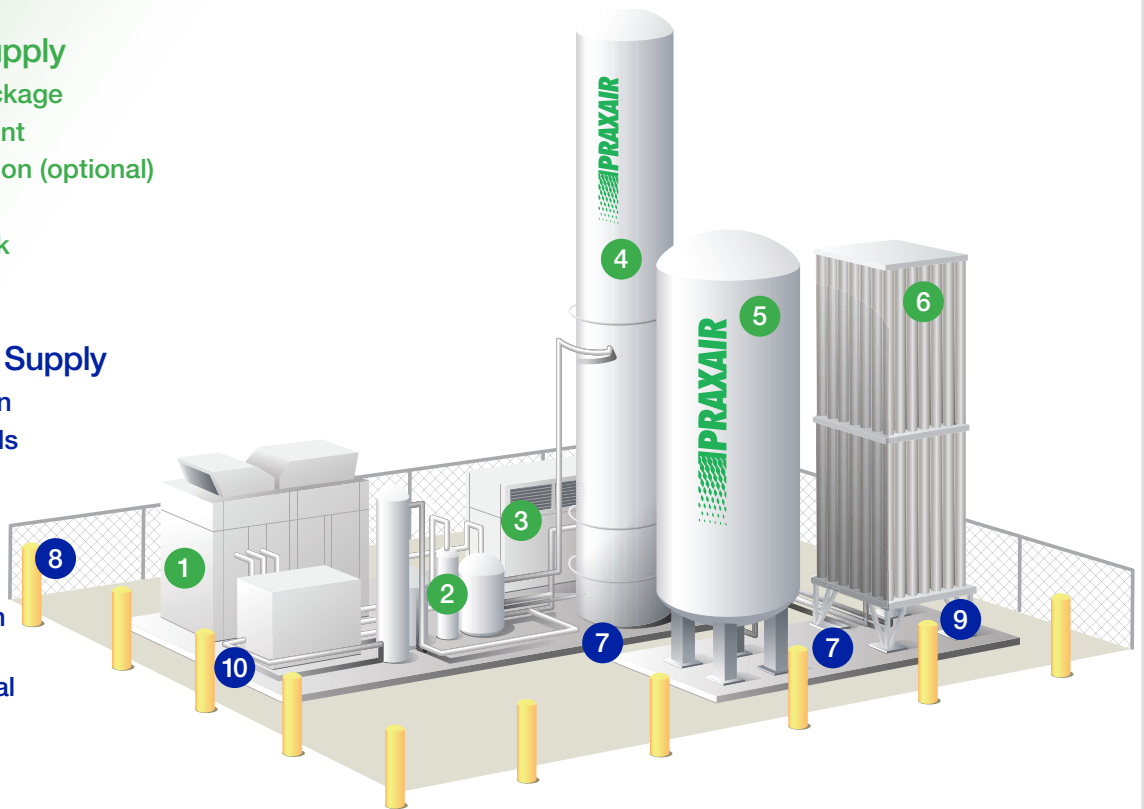
- Leading safety performance
- High reliability
- Remote monitoring and operation
- Liquid backup supply
- Robust design
- Low cost mode of supply
- Power efficient
- Superior turndown
- World-class project execution
- Modular plant design
- Compact plot size
- Minimal customer site prep
- Less installation time
- Reduced noise

## Praxair Scope of Supply

1. Air Compressor Package
2. Prepurifier Equipment
3. Nitrogen Compression (optional)
4. Cold End
5. Liquid Nitrogen Tank
6. Vaporizer

## Customer Scope of Supply

7. Concrete Foundation
8. Fence/Crash Bollards
9. Nitrogen Piping to Point of Use
10. Power Supply/Electrical
11. Ethernet Connection (not shown)
12. Condensate Disposal (not shown)



For customers needing up to 45,100 cfh-ntp of nitrogen, the ideal supply is Praxair's N30. The N30 is a cryogenic nitrogen plant that consists of a **Warm End** which includes the air compressor package and prepurifier equipment, and a **Cold End** which includes the distillation column, primary heat exchanger, and main condenser. The N30 uses liquid assist for the refrigeration requirement of the plant. The system also includes a liquid nitrogen **Backup System** for ultimate reliability.

The N30 is designed to operate without a nitrogen compressor and typically delivers nitrogen at the customer required pressure directly off the cold end. Plant capacity varies with operating pressure.

Plant	N30
Product flow, cfh-ntp	45,100
Product purity	>99.999%
Product pressure, psig	130
Air compressor, hp	400-450
Power feed, volts	480
Base plant layout	70' x 26'

## Praxair's Onsite Nitrogen Plant Line

