



NPU1500

Experience
you can
count on.



Nitrogen Production Unit Applications

- **Coal Mine Fire Service** – Portable design and extremely accurate O2 sensor (+/- 0.5%) make unit ideal for coal mine fire extinguishing
- **Inerting & Blanketing** – Inert gas for purging and explosion prevention for refineries, chemical plants, grain silos, & fuel storage tanks
- **Pipeline** – Pipeline services for drying, inerting, maintenance, & pigging
- **Underbalanced Completions** – Eliminate downhole fires and corrosion for plug drilling, sand cleanout, fluid recovery, fishing and deepenings
- **Underbalanced Drilling** – Maximize penetration rates with minimum formation damage when drilling through pay zones without risk of downhole fires

- 45' x 102' drop-deck trailer with hydraulic legs
- Sullair, two-stage rotary screw, oil-flooded, high pressure air end providing up to 1,350 scfm @ 500 psig
- Caterpillar C-18, 6-cylinder, 4-cycle engine electronically controlled engine rated to 700 hp @ 1,800 rpm, equipped with spark arresting mufflers
- Cooling system designed to provide adequate engine cooling up to 115° F ambient temperature
- Nitrogen unit designed to deliver between 90-99.99% N2 purity @ 500 psig continuously
- Allen Bradley PLC Controller to provide real-time readout of volume, capacity, purity, and percentage of O2 left in the gas stream, target nitrogen purity is 95%
- Nitrogen purity valve is automated once set and will control the regulation of purity control
- One 1,500 gallon, rectangular, closed-top fuel tank allowing up to 24 hours of operation without refueling
- 2" S-80 manifold with blow down vent lines and discharge check valves

Below are the capacity tables indicating flow and pressure that can be achieved by using either the OMNI N2 unit alone, or in combination with an OMNI Foam unit. Please contact us using the contact information below should you have any questions or would like additional information.

Nitrogen Purity	OMNI N2 Trailer Specifications		
	Pressure (psig)	Flow (scfm)	Modules
95%	490	675	8
96%	490	600	8
97%	490	500	8
98%	490	450	8
99%	490	400	8

Nitrogen Purity	OMNI N2 & OMNI Foam Unit Specifications		
	Pressure (psig)	Flow (scfm)	Modules
95%	2500	1350	16
96%	2500	1200	16
97%	2500	1000	16
98%	2500	900	16
99%	2500	800	16