



MOBILE NITROGEN GENERATOR

Part No. 906000

MNG-4

Cv International's **Mobile Nitrogen Generator** is built for unmatched flexibility and durability, featuring a **selectable power supply** that operates on **480 V, 60 Hz, 75 A, or ultra-low sulfur diesel (ULSD) ASTM D975 (S15)** ensuring adaptability in any environment. Engineered for **extended operational performance**, it runs continuously for eight hours on a single tank of fuel and delivers consistent performance at **altitudes up to 10,000 feet** and temperatures ranging from **0°F to 120°F**. Additionally, the MNG-4's **modular, scalable design and advanced membrane technology** delivers nitrogen and can be tailored around your operational requirements.

Key Features & Benefits:

- **Military & Defense** Aircraft maintenance, ground support (U.S. Air Force, Navy, Army, Marines, National Guard)
- **Aerospace Industry** Commercial & private aviation, compressed air and nitrogen servicing aerospace
- **Industrial Applications** Inerting, purging, and pressurization for manufacturing & field operations
- **Remote Operations** Tactical & expeditionary units needing on-site compressed air and nitrogen generation

Nitrogen: 99.50% PURITY

Tested and certified purity levels of 99.50% at 13 to 15 SCFM and capable of generating 5000 PSI.

MNG-4 CATEGORY DEFINING FEATURES

- **Self-modulating:** Consistent nitrogen production in all conditions, from extreme temperatures to varying elevations
- **Dual-fuel capability:** Operates on either electric or diesel power
- **Engineered for maintainability:** Streamlined access to service items
- **Integrated HMI interface:** Provides real-time operator feedback, troubleshooting support, and scheduled maintenance alerts
- **Built-in system safeguards:** Automatic component protection prevents damage
- **Illuminated, intuitive controls:** Panel lights and illuminated, user-friendly HMI, lower operator effort, aid in night/low light operations and speed up training

PERFORMANCE

N2 FLOW	13 to 15 SCFM
PRESSURE	0-500 PSI & 0-5000 PSI
PURITY (%N2)	99.50 %
NITROGEN GRADE	A-A-59503 TYPE 1, CLASS 2, GRADE B
STORAGE	912 CF @5000 PSI
WEIGHT	EST. 6,200 LBS
POWER SOURCE	FINAL TIER 4 DIESEL ENGINE, 480V @ 60Hz
FEATURES	BOTTLE SAFETY FILL STATION, 50' SUPPLY HOSE ON SAFE RETRACT REEL
OPERATING TEMP.	0 F TO 120 F
DIMENSIONS	67" X 116" X 71"

INTEGRATION

Seamless integration with Cvi nitrogen systems

- J-108 Nitrogen Trailer
- CFK Remote Bottle Fill Stations
- NDSK Nitrogen Cart
- NBSS Nitrogen Backpack
- MNU Nitrogen Servicing Vehicle

N2 SERVICING

Nitrogen servicing up to 5000 psig

- Tire Filling
- Strut Servicing
- Cylinder Filling
- EPU Purging

OPTIONAL

NBSS-3, N2 SERVICE KIT

Cv International's Nitrogen Backpack Servicing System includes Low-Pressure (LPSK) and High-Pressure (HPSK) service kits, providing precise, safe nitrogen servicing. Kit includes: 1 CYL-54 cylinder and valve assembly, and 1 HNS-36 Backpack harness.



Power Source

Final Tier 4 Diesel Engine
 26 Gallon Diesel Fuel Tank
 Exhaust Free 480V 3-Phase Electric

Part Number:

906000

Width:

67"

Length:

116"

Height:

71"

Weight Est.:

6,200 lbs.

NBSS-3

Part Number: 410700-3

NSN: 3655-01-559-0617

WARRANTY

MNG-4 WARRANTY: Every MNG-4 comes backed by a standard 1-year warranty. Additional coverage options are available to keep your system mission-ready for years to come.



VOSB

VETERAN OWNED SMALL BUSINESS

