



Nitrogen Generating Systems

July 8, 2008

THE CVB MNG-2 MOBILE NITROGEN GENERATORS

***ELIMINATE THE NEED TO PURCHASE LIQUID NITROGEN OR CYLINDER GAS . . .
WITH CVB MOBILE NITROGEN GENERATORS***

Model MNG-2 Generators are a more User-Useful upgrade on the many MNG-1 series generators placed in worldwide service during the past 14 years.

The basic Model MNG-2 combines the many attributes of the MNG-1A series together with innovative features of the Small Footprint MANCS (Mobile Air/Nitrogen Charging System).

While it retains the size and weight associated with SGNSC-GANG specifications, it provides many improvements from "lessons learned" and additional features tailored to current User requirements.



Performance

- Nitrogen Flow: 10 scfm @ 99.3-99.7% purity 15 scfm @ 97-98% purity
- Regulated Service Pressure: to 5000 psig

Multifunctional Capability

- In addition to the standard dual Hose Reel service, lightweight 4500 psig Backpack Receivers can also be charged. These enable delivery of nitrogen to "point of use" at usable pressures even during split deployment or over unimproved terrain.
- Uses a lightweight Harness for man-portable delivery and an NDSK (Nitrogen Deployment/Sustainment Kit) as a small, lightweight, air-transportable receiver storage and/or tarmac servicing system.
- Separate Low Pressure Compressed Air for field operation of air tools and elimination of the need for a separate LOPAC.
- Service the CGR (Coolant Gas Recharger) for charging Infra Red Missile.

PROCURABLE FROM

**DSCR BY STOCK NUMBER OR FACTORY DIRECT,
Government Impact Cards Acceptable**



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User-Friendly Features

- 24-Volt Jump Start capability for MNG-2 12-volt system.
- Simplified Control Panel and Operational Sequence.
- Improved Cold Start.
- Improved Hot Weather cooling.
- Retention of stable fork lift and sling lift capability.
- Provision of Diagnostics and Training aids in CD form.

National Stock Numbers



NSN 3655-01-505-7669 - MNG-2A/SP-1, 97% N2 Purity

NSN 3655-01-505-7673 - MNG-2A/SP-2, 99.5% N2 Purity

Performance *(Standard Day Conditions)*

Nitrogen Gas Production rate (nominal) 10-20 scfm
 Service Pressure (Nitrogen):
 high pressure regulated 0-4000/0-4500 psig
 low pressure regulated 0-400 psig
 Nitrogen Purity (% Oxygen free) standard 97-99.7%
 Service Pressure
 (Compressed Air) regulated 0-150 psig

Service Hoses

High pressure 500-4000/500-4500 psig
 Low pressure 0-400 psig
 Shop Air Outlet 0-150 psig

Options

Percent Oxygen Analyzer: Portable meter for analyzing nitrogen quality
 Infra-red Coolant Gas Recharger (CGR): Nitrogen charging for Infra-red missiles

Physical Characteristics – Small Footprint

Length 84 inches
 Width 60 inches
 Height 52 inches
 Weight 3000/3300 lbs.
 Running Gear Solid axle with rotating hubs and steerable front gear

