

UNIT SPECIFICATION • MNG-2A/SP-7A

PERFORMANCE

- Inert gas purity: 97 to 99%
- Inert gas continuous output: 8-10 scfm @ 4000 psig.
- Inert gas quality: -55°C (-67°F) atmospheric dew point.
- Inert gas composition: Nitrogen and trace inert gases: Neon, Argon, and Helium.
- Operating environment: -51°C (-60°F) to +49°C (+120°F)

STANDARD FEATURES

DRIVE

- Diesel engine driven.
- 10 U.S. Gallon capacity aluminum diesel fuel tank.
- OPTIMA gel 800U 12VDC battery.
- Applicable fuels: JP5, DF-1, DF-2, DF-A, and JET A and JET A-1.

FEED AIR COMPRESSOR

- Bauer Compressors, Inc. Model NK60 rotary screw compressor.
- Maintenance indicators on Air/Oil separator and oil filter.
- Heavy-duty inlet filter and maintenance indicator.
- Low-pressure filter system with automatic drains.
- Oxygen Analyzer for Nitrogen quality.

MEMBRANE AIR SEPARATOR MODULE

- PERMEA, Inc. Model PA4030 air separator membranes. (Qty 3).

HIGH PRESSURE BOOSTER COMPRESSOR

- Bauer Compressors, Inc. Model BK 12.2II reciprocating booster compressor.
- High pressure filter and solenoid activated automatic condensate drain system.

INERT GAS SERVICE

- Final storage pressure: 4000 psig.
- Standard inert gas storage capacity (nominal at standard conditions): 460 cu. ft. to 920 cu. ft. @ 4000 psig.
- Low-pressure nitrogen hose reel with 50 ft of servicing hose for servicing pressures from 0 to 500 psig.
- High-pressure nitrogen hose reel with 50 ft of servicing hose for servicing pressures from 0 to 4000 psig.

ENCLOSURE

- Weather resistant enclosure with filters fitted on cooling air inlet.
- Four-wheel 15-MPH running gear, tow bar with lunette eye, handbrake and pintle hook on rear of the frame.
- Forklift shoes and main frame tie down rings.
- A single, operator control panel / diagnostic panel including but not limited to the following equipment:
 - High Pressure nitrogen receiver pressure gauge
 - Low and high pressure compressor gauges
 - Low and high pressure nitrogen servicing hose controls
 - Engine start controls including ignition switch, hour meter, tachometer and glow indicator
 - Fuel level gauge
 - Voltmeter
 - Panel lights
 - Nitrogen system temperature switch/gauges
 - Engine oil and temperature gauges
 - Inert gas sample port
- Enclosure fabricated from sheet metal including a combination of hinged and fixed panels for cooling air, storage access and maintenance panels.
- Length: 90" (tow bar up and stowed, not including pintle hook), Width: 60", Height: 60".
- Weight: approximately 3200 lbs.



AVAILABLE ON GSA CONTRACT NUMBER: **GS07F014DA**





