

MG1100 Nitrogen Generator

NSN 3655-01-544-2362

Overview

The MG1100 was designed to allow users of bottled nitrogen to be independent of the logistical problems caused by having to find pressurized nitrogen gas suppliers. With its small footprint and standard electrical requirements (115 VAC, 20 amp circuit) it can operate in the field at the user/operator level and in the maintenance shops through all levels of maintenance support. The MG1100 can produce up to 28 liters of nitrogen gas per minute at pressures up to 4500 psi simply by attaching a 100-150 psi compressed air source with a minimum 7.5 CFM flow (recommended 11.5 CFM compressor).* It will fill a standard storage bottle/vessel or it can be used to fill several standard bottles in a cascade. An empty "K" bottle can be filled in less than 4 hours and an empty M198 Howitzer equilibrator and recuperator can be easily filled in less than 2.5 hours.

Specifications

- Weight 280 pounds
- Creates 14-28 liters of Nitrogen per minute
- Requires a 100-150 psi air source (7.5 CFM Flow)
- Small foot print
- Maximum outlet pressure can be customized to individual needs
- 4500 psi maximum outlet pressure upon request
- 115 VAC (60 Hz)
- Nitrogen produced @ 96.5 to 98.5% purity and -40 degrees F maximum dew point.
- Nitrogen dryness \leq 0.10%
- Alarm/Shutdown for nitrogen purity below 96%
- Inlet compressed air dirty filter indicator
- Easy to use
- Outlet pressure gauge
- Outlet bleeder valve
- Integrated pressure switch to shut unit down at desired pressure
- Temperature operating range 40-110 degrees F
- Integrated HMI for easy troubleshooting and system operation.



*The MG1100 Nitrogen Generator is shipped with the psi preset at 1900 so it can accommodate most nitrogen bottles. If higher pressures are desired, up to 4500 psi, please discuss with Mandus Group prior to delivery.

Ordering Information

- To Order Call 1-888-922-8502
- Mandus Group accepts VISA and Government Impact VISA cards

