

MG1100V Nitrogen Generator Manual



Mandus**Group**

Mandus Group LTD
2408 4th Ave
Rock Island, IL 61201

Operational safety Issues:

Never try to connect/disconnect fittings while under pressure. Before any operation and before connecting anything to a pressurized source, make sure to bleed lines first by opening the valve. Make sure you have a good knowledge of working with compressed gas before operating this equipment. Please make sure you read and understand this manual before attempting to operate this equipment. Make sure to visually inspect all hoses, cords, and connections before operating this equipment to make sure they are free from extreme wear or damage.

Operating instructions

General Maintenance Information:

- Inspect electric cord once a year for any excessive wear, cracks, or exposed wire.
- It is the user's responsibility to obtain service for the beds after 12,000 hours.
- It is the user's responsibility to obtain service for the booster after 5,000 hours.
- Visually inspect unit for wear before using.

Basic Information:

- The MG1100V is designed to extract nitrogen from 60-80 psi compressed shop air.
- It is the user's responsibility to make sure that the compressed shop air is filtered and dry before it reaches the unit. It is also the user's responsibility to not operate this equipment in less than 40 degrees F or higher than 120 degrees F ambient conditions.
- Maximum system pressure is 2500 psi.
- When the unit is first turned on, it will run for approximately 2 minutes before the booster kicks in. You may hear a slight hiss during this 2 minute period.
- There is an alarm that will sound if purity drops below 96%.
- The unit is designed to shut off when outlet pressure reaches 2400-2500 psi. It will automatically turn back on when it drops below approximately 2100 psi.

Operating:

- Verify that MG1100V is plugged in.
- Verify that bleed valve is in the closed position.
- Verify that all hoses are securely connected to the proper vessels.
- Verify that compressed air source is connected to the inlet port.
- Verify that "Shop Air Inlet Pressure" gauge is reading between 60 and 80 psi.
- Turn MG1100V on.
- MG1100V will run until system pressure reaches 2500 psi +/- psi.
- Once tank pressure bleeds down to approximately 2100 psi the system will turn on again until 2500 psi is reached.

Mandus Group LTD Manufacturer's Limited Warranty

For one year from date of purchase, Mandus Group LTD will repair or replace, at its expense and at its option any MG100V machine part, or machine accessory which in normal use has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to Mandus Group LTD's repair service center and provides Mandus Group LTD with reasonable opportunity to verify the defects by inspection. Mandus Group LTD will not be responsible for any asserted defect which has resulted from normal wear, misuse, abuse or repair or alteration made or specifically authorized by anyone other than an authorized Mandus Group LTD service facility or representative. Under no circumstances will Mandus Group LTD be liable for incidental or consequential damages resulting from defective products. This warranty is Mandus Group LTD's sole warranty and sets forth the customer exclusive remedy, with respect to defective products. All other warranties, expressed or implied, wither of merchantability, fitness of purpose or otherwise, are expressly disclaimed by Mandus Group LTD.

NOTE: It is the user's responsibility to obtain service for the beds after 12,000 hours, and not included in the warranty.

NOTE: It is the user's responsibility to obtain service for the booster after 5,000 hours and not included in the warranty.