

NITROGEN GENERATION

MOBILE NITROGEN GAS GENERATOR



MODEL MNGG

DISCHARGE: NITROGEN, 99.5% PURE

DISCHARGE PRESSURE: 5000 PSIG

MAX FLOW RATE: 25 SCFM

INLET: AMBIENT AIR

PROGRAMS: CVN

SIZE: 115" W x 47" L x 53" H

DRY WEIGHT: 4979 LBS

MIL-STD-810 CERTIFIED



OIL-FREE HIGH-PRESSURE NITROGEN GENERATOR

FEED AIR COMPRESSOR

FEED (AIR) COMPRESSOR.....	RIX Model 4VX, Oil Free Reciprocating Air Compressor
FEED COMPRESSOR MOTOR...	Continuous Duty, 50 HP, 3600 RPM, 460 VAC, 3Ø, 60 Hz
DRIVE.....	"V" Belt

N₂ SEPARATION MODULES

MEMBRANES	Membranes produce low dewpoint dry Nitrogen with no moving parts. High-efficiency semi-permeable hollow fiber polymer bundles are compact and light weight. Membrane modules are field replaceable.
FILTRATION.....	Activated Carbon Protection (protects against damage by hydrocarbons from contaminated intake air)

N₂ BOOST COMPRESSOR

N ₂ BOOST COMPRESSOR	RIX Model 3V3, Oil Free Reciprocating Air Compressor
BOOST COMPRESSOR MOTOR.....	Continuous Duty, 15 HP, 1800 RPM, 460 VAC, 3Ø, 60 Hz
DRIVE.....	"V" Belt

QUALIFICATION AVAILABILITY

FULLY TESTED AND QUALIFIED TO THE REQUIREMENTS OF MIL-STD-810. FULLY SUPPORTED WITH MILITARY TECHNICAL MANUAL, PROVISIONING, AND SUPPORTING DOCUMENTATION.

ABOUT RIX INDUSTRIES

Founded in 1878, RIX Industries is a technology-focused company, specializing in the design, development and manufacture of pneumatic energy storage, transfer and control system solutions, including gas generation systems, precision compressor solutions and cryogenic cooling technologies.

To learn more or to discuss your specific application please contact us.

RIX MODEL MNGG NITROGEN GENERATOR

PACKAGE.....	Skid mounted, air cooled, deployable
POWER REQUIREMENT.....	460 VAC, 60 Hz, 3 Phases, 52 KW
FLOW CAPACITY.....	Standard product gas: 25 SCFM at 5,000 PSIG Extra clean product gas: 25 SCFM at 3,200 PSIG
N ₂ PURITY.....	99.5% N ₂ (< 0.5% Oxygen Content), monitored, with low purity shutdown.
N ₂ HYDROCARBON CONTENT	Standard product gas: < 50 ppm(v) Total Hydrocarbon Content. Extra-Clean Production gas: < 2 ppm(v) Total Hydrocarbon Content.
MOISTURE CONTENT	Standard product gas: < 26 ppm(v) Moisture Content Extra-Clean Production gas: < 2 ppm(v) Moisture Content
CARBON DIOXIDE	Extra-Clean Production gas: < 10 ppm(v) Carbon Dioxide Content
CONTROLS.....	Fully automatic PLC Controller controls and monitors the N ₂ Generation process and adjusts operation to assure continuous N ₂ purity.
OPERATION	Manual "one button" start, Automatic operation and control based upon pressure demand and N ₂ purity.
OXYGEN MONITOR	Integrated Zirconia type Oxygen Monitor with an accuracy of 0.1% sends a purity signal into the PLC and adjusts system conditions to assure continued Nitrogen purity.
DRY WEIGHT	4,979 lbs.
DIMENSIONS.....	115" W x 47" L x 53" H

