

# **OXYGEN** GENERATION

## LIQUID & GASEOUS OXYGEN PLANT FOR AVIATION & MEDICAL USE



### **MODEL LOX PLANT**

DISCHARGE: OXYGEN, 94% PURE

DISCHARGE PRESSURE: 50 PSIG / 3,000 PSIG

MAX PRODUCTION RATE: 55 GPD

PROGRAMS: CVN

SIZE: 208" L x 108" W x 79" H

STANDARD WEIGHT: 15,000 LBS

FULLY QUALIFIED FOR MILITARY MARINE USE

To learn more or to discuss your specific application, please contact us at:

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# AVIATION & MEDICAL OXYGEN GENERATION

## VSA MODULE

FEED/VACUUM BLOWERS .....	Rotary Lobe Blowers Belt-Driven
ADSORPTION BEDS .....	Easy, Direct-Access Bed Design
RIX 2PS BOOST COMPRESSOR .....	Reciprocating, Belt-Drive, Air-Cooled

## LIQUEFACTION MODULES

PRESSURE WAVE GENERATOR .....	Linear Motor Drive Helium Working Fluid
COLD HEADS .....	Condense Gas at 55 GPD No Moving Parts No Nitrogen Required

## STORAGE MODULE

STORAGE TANK.....	100 Gallon Capacity Vacuum Insulated
PLC & HMI SCREEN .....	Fully Automated Control System Monitors Oxygen Purity & Production
LOX PUMP.....	Reciprocating, 3,000 PSIG Vaporizer, 9 KW

## RIX MODEL LOX PLANT

PRODUCTION.....	Liquid - 55 GPD Gas - 5 SCFM at 50 PSIG
OXYGEN PURITY.....	94% IAW MIL-PRF-27210
POWER REQUIREMENTS ....	
VSA MODULE.....	460 VAC, 3 Phases 60 HZ, 30 AMPS
LIQUEFIER.....	460 VAC, 3 Phases 60 HZ, 50 AMPS
STORAGE MODULE...	460 VAC, 3 Phases 60 HZ, 20 AMPS
COOLING WATER.....	Chilled 30 GPM at 44-50 °F
TOTAL SYSTEM WEIGHT .....	15,000 LBS
DIMENSIONS .....	
OVERALL.....	108" W X 208" L X 79" H
VSA MODULE.....	84" W X 42" L X 79" H
LIQUEFIER MODULE...	54" W X 31" L X 71" H
STORAGE MODULE....	54" W X 65" L X 70" H

## ABOUT RIX INDUSTRIES

Founded in 1878, RIX Industries is a technology-focused company, headquartered in Benicia, CA, specializing in the design, development and manufacturing of pneumatic energy storage and transfer-control system solutions, including gas generation systems, precision compressor solutions and cryogenic cooling technologies for critical applications in Marine, Aerospace, Land, Energy, Industrial and Medical markets.

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