

# GENERON® MEMBRANE TECHNOLOGY

## GENERON HIGH PRESSURE NITROGEN GENERATOR

The GENERON® High Pressure Nitrogen Generator provides superior functionality with nitrogen purities of 97% to 99.9% to choose from at maximum operating pressure up to 5,000 psig. Our integral design approach make this unit one of the smallest foot prints in the market, capable of operating on the production floor. GENERON's choice of high quality components allow for long service operation and reliability.

### Advantages:

- Compact Integrated Design
- No hazardous storage or connections
- Low gas generating cost
- Low operating cost
- Easy to install
- Near maintenance free
- Extremely low dBa levels
- Full access doors for easy maintenance



GENERON® Membrane Generators use patented High-efficiency membrane modules containing thousands of fibers. Compressed feed air is passed down the bores of the fibers at one end of the module with enriched nitrogen product gas exiting from the opposing end. Oxygen and water vapor are selectively removed from the feed air and vented as it flows to the other end of the module. These systems require low maintenance and less power to run.

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## GENERON HIGH PRESSURE NITROGEN GENERATOR

### Features:

- N2 pressures up to 5,000 psig
- Encapsulated single-stage, lubricated, rotary screw air compressor
- Continuous-duty rated, multi-stage, high pressure reciprocating booster
- Electric motor driven compressor & booster, utilizing V-belt drive with belt guard and auto tensioning system
- High-efficiency patented GENERON® Membrane Air Separation Modules
- Compressed air filtration system (moisture, particulate, and hydrocarbon)
- In-line oxygen analyzer (to monitor product purity)
- UL® certified control panel
- PLC controller and touchscreen HMI
- Separated compression chambers for sound attenuated ( $\leq 85$  dBa)
- Stainless steel piping
- Soft start motor starters for reduced energy startup available
- 99.9% purity available



Model	NITROGEN FLOW (SCFM) / PURITY @ 5,000 PSIG			
	97%	98%	99%	99.5%
GHP-6151	16	13	9	7
GHP-6152	32	26	19	15
Dimensions:	72" L x 36" W X 72" H		Approx. Weight:	2,600 Lbs

\*Flow and pressure values are averages with tolerances of  $\pm 4\%$ . Performance data based on 110°F at 100 psig pressure at membrane inlet. Standard conditions: 68°F and 14.696 PSI.

### GENERON

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