

# GENERON<sup>®</sup> MARINE NITROGEN GENERATING SYSTEMS

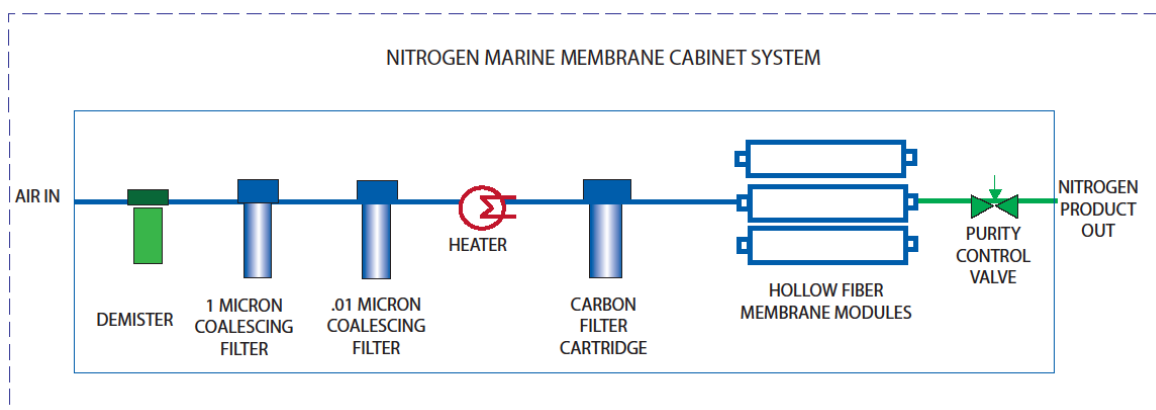
## MEMBRANE Dual Cabinet Series

- Marine Vessels
- All Commercial Oil , Chemical, Product , and LNG/LPG Tankers
- Cylinder Filling
- Inerting of Flammable Liquids



The **GENERON<sup>®</sup> Marine Dual** Cabinet Nitrogen Generator series is ideal where low to medium Nitrogen flow rates are required in a small footprint. **GENERON<sup>®</sup> Dual** Cabinet Series is designed and manufactured using the patented **GENERON<sup>®</sup>** Hollow Fiber Membranes. These highly engineered systems produce high flow rates in a range of cabinet designs and sizes. From our Nitrogen on the Wall, (NOW), marine and large customized skids, **GENERON** delivers a superior product..

Our ISO 9000, ASME, PED, UL/CSA and GOST certified facilities and shops ensure the highest-standards are met and your expectations exceeded.



### FEATURING:

- **Convenient:** Fully Automatic Unattended Operation
- **Easy:** Maintenance and operation
- **Economical:** Low Operating Cost
- **Reliable:** Systems Built to Last
- **Safe:** Low Operating Pressures, no Hazardous Storage
- **DNV Approved**
- Hydrocarbon free
- Nitrogen Dew Point down to  $-70^{\circ}\text{F}$  ( $57^{\circ}\text{C}$ )
- Nitrogen purities up to 99.999%
- Optional Dew Point feature of  $-100^{\circ}\text{F}$  ( $-73^{\circ}\text{C}$ )

# Nitrogen Generating Membrane Systems

## DUAL CABINET SERIES

NITROGEN OUTPUT FLOW RATE—4000 Series Cabinets				
All flow rates are rated at 95% Purity				
	4001		4002	
Pressure PSIG / BAR G	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr
<b>100 / 6.9</b>	11 / 17	23 / 37	21 / 34	47 / 74
<b>150 / 10.3</b>	19 / 30	40 / 62	38 / 60	76 / 120
<b>175 / 12.0</b>	23 / 36	46 / 73	46 / 72	92 / 144

NITROGEN OUTPUT FLOW RATE—6000 Single & Double Cabinets				
All flow rates are rated at 95% Purity				
	6001-4		6005-8	
Pressure PSIG / BAR G	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr
<b>100 / 6.9</b>	140 / 220	312 / 490	280 / 440	625 / 980
<b>150 / 10.3</b>	254 / 400	535 / 840	510 / 800	1070 / 1680
<b>175 / 12.0</b>	303 / 477	630 / 990	607 / 954	1261 / 1980

\*\*Flow rates at standard atmospheric conditions (77°F and 14.7 psi.)

\*\*\*Dew point at < -85°F **Additional purities and flows available.**



Approximate Weight and Dimensions				
Size	L inch / mm	W inch / mm	H Inch / mm	Weight lbs. / kg
4000 Series	30 / 762	28 / 711	66 / 1676	250 / 112
6000 Series	32 / 812	32 / 812	90 / 2286	800 / 360
6000 Double	64 / 1625	32 / 812	90 / 2286	1200 / 540

### Standard Components

- Heater
- Hollow Fiber Membranes
- NEMA 12 Cabinet Enclosure
- Purity Control Valve
- Selector Valve
- Pressure Gauges
- .01 Micron Coalescing Filter

- Particulate Filter
- Carbon Filter Cartridge
- Demister
- 1 Micron Coalescing Filter
- Oxygen Analyzer (Zirconium Oxide)

### OPTIONS:

- Dew Point Analyzer
- NEMA 4X Cabinet Enclosure
- NEMA 4X (316 Stainless Steel)

- Fail Safe Package (off-spec nitrogen automatically vented to atmosphere\*)
- Enhanced PLC with Telemetry
- Hazardous Area Classifications
- Product Booster Compression Package for high pressure applications
- Product Flow Meter
- PLC Control System
- Primary Compression (Compressor)

### GENERON

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