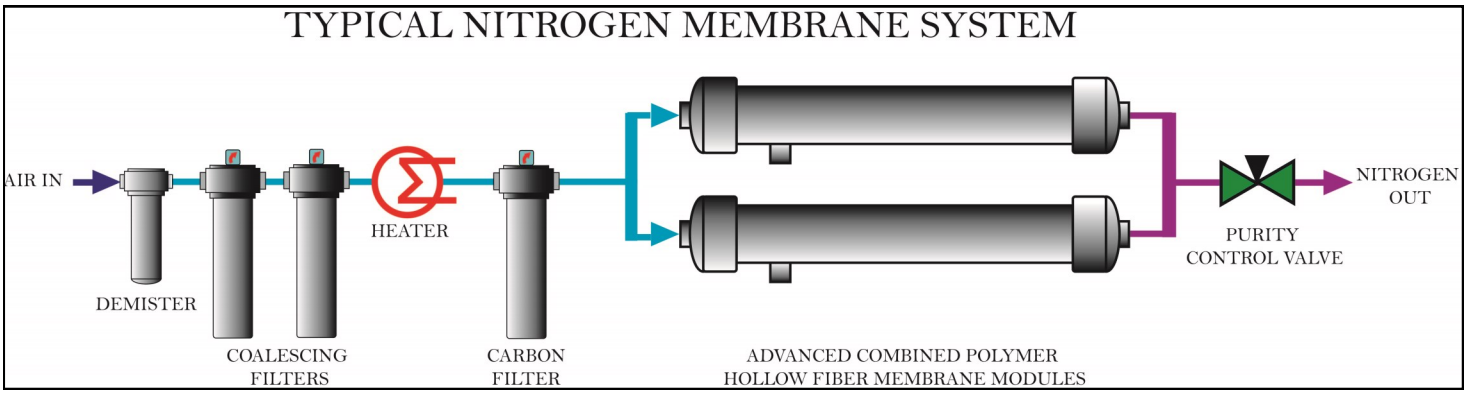
GENERON® NITROGEN MEMBRANE SYSTEMS

6000 Dual Marine Cabinet Series

The **GENERON® Cabinet Series** is ideal where low to medium Nitrogen flow rates are required in a small footprint. **GENERON® Cabinet Series** is designed and manufactured using the patented **GENERON®** Hollow Fiber Membranes. These highly engineered systems produce required flow rates in a small cabinet design with an average 30% smaller footprint utilizing less power.

The **GENERON®** Membrane modules contain over a million 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 opposite end. Oxygen and water vapor are selectively removed and vented from the feed air as it flows through the module.

Our ISO-9001, ASME, PED/PE, UL/CUL certified facilities and shops ensure the highest standards are met and your expectations exceeded.



Benefits

☑ Over 40 years of Manufacturing and Engineering

GENERON® Membranes have been the benchmark of the industry and proud to have shipped over 100,000 membranes around the world.

☑ Save Energy

GENERON® Membrane modules offer the highest efficiency in the market, reducing your compression

☑ Quality is Guaranteed

Every GENERON® Membrane module is rigorously tested to the highest-standards in one of our ISO-9001 certified facilities.

☑ Easy Start-Up

GENERON® Systems are delivered ready to start and deliver nitrogen.

☑ Suited for Tough Environments

GENERON® Membrane modules are built to withstand even the roughest operating conditions, including the harsh off-shore environment.

☑ Reduced Footprint

GENERON® Membrane modules have the highest productivity in the industry and can have a 30% smaller footprint, allowing for horizontal or vertical installation, and adaptable to any space requirement.

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Nitrogen Product Flow Rates at 25°C (77°F) All flow rates are rated at 95% Purity		
Model	**6005-8**	
Inlet Pressure **psig / barg**	**Nitrogen Flow** **scfm (Nm³/h)**	**Air Demand** **scfm (Nm³/h)**
100 / 6.9	280 (440)	625 (980)
150 / 10.3	510 (800)	1070 (1680)
175 / 12.0	607 (954)	1261 (1980)

Flow rates at standard atmospheric conditions (77°F and 14.7 psi.)
Higher purities and flows are available upon request.

Features

- .01 Micron Coalescing Filter with drain
- Activated Carbon Filter
- GENERON® Hollow Fiber Membranes
- Manual Purity Control Valve
- PLC Control System with HMI Feature
- Fail Safe Package (off –spec nitrogen auto-vented)
- NEMA 12 Cabinet Enclosure
- Inlet Pressure Gauge
- Outlet Pressure Gauge
- Oxygen Analyzer with Calibration Valve
- Pressure Safety Valve
- Lifting lugs
- Performance Test and Report
- Performance certificate

Options

- Demister / Moister Separator
- 1 Micron Coalescing Filter
- Process Heater
- Automatic Purity Control Valve
- NEMA 4X Control Cabinet Enclosure (316SS)
- Enhanced PLC with Telemetry
- Hazardous Area Classification
- Auto/Stand by Mode
- Product Flow Meter
- Dew Point Analyzer
- Primary Air Compression
- Sea-water cooled Air Compressor
- Nitrogen Booster Compressor for high pressure applications

APPROXIMATE WEIGHT AND DIMENSIONS			
L **Inch / mm**	**W** **Inch / mm**	**H** **Inch / mm**	**Weight** **lbs. / kg**
64 / 1625	32 / 812	90 / 2286	1200 / 540

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GENERON

QUALITY SYSTEM CERTIFICATION DNV·GL ISO 9001