

GENERON[®] NITROGEN MEMBRANE SYSTEMS

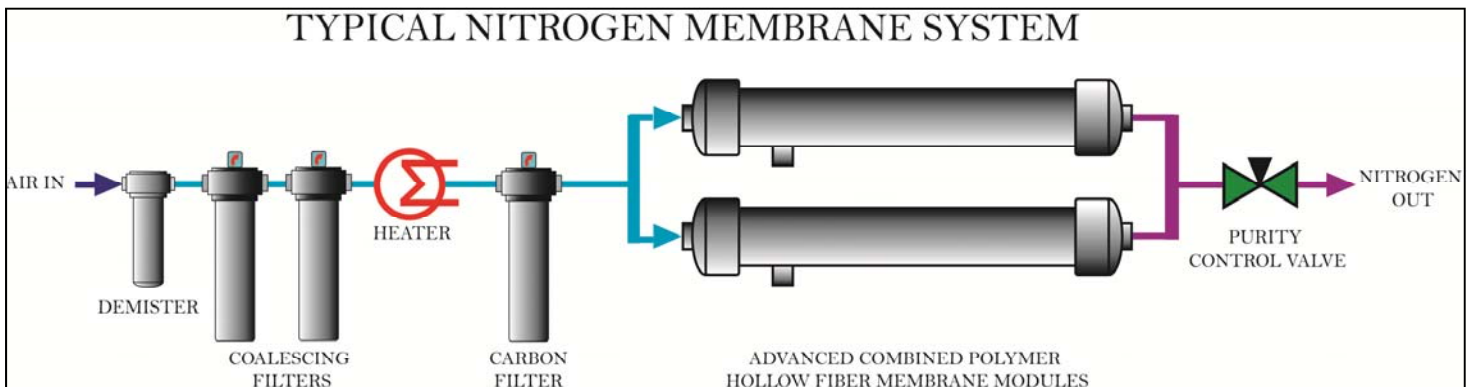
6824CP Marine Skid Series



GENERON[®] Membrane separation systems are engineered and designed for efficient Nitrogen generation and mixed gas purification. The skid mounted systems are commonly used in the Oil & Gas Industry, Ammonia plants, Chemical Manufacturing Facilities, and Refineries. We build to standard designs or to custom engineering specifications to provide reliable, cost effective membrane separation solutions.

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 opposing end. Oxygen and water vapor are selectively removed and vented from the feed air as it flows to the other end of the module.

Our ISO 9000, ASME, PED, UL/CSA and GOST 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) 150 psig (10.3 barg) Inlet Pressure						
Nitrogen Product Purity in Vol% and Product Flow Rate scfm (Nm³/h)						
Model	95%	96%	97%	98%	99%	99.5%
6819CP	1164 (1811)	987 (1535)	819 (1275)	656 (1022)	487 (758)	379 (591)
6820CP	1225 (1906)	1039 (1616)	862 (1342)	691 (1076)	512 (798)	399 (622)
6821CP	1286 (2001)	1091 (1697)	905 (1409)	725 (1130)	538 (838)	419 (653)
6822CP	1347 (2097)	1143 (1778)	948 (1476)	760 (1184)	564 (878)	439 (684)
6823CP	1409 (2192)	1194 (1858)	991 (1543)	794 (1237)	589 (918)	459 (715)
6824CP	1470 (2287)	1246 (1939)	1034 (1610)	829 (1291)	615 (958)	479 (746)

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

Additional purities and flows available.

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
- Skid with lifting lugs
- Performance Test and Report
- Performance certificate

Options

- Demister / Moisture 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	W	H	Weight
Inch / mm	Inch / mm	Inch / mm	lbs. / kg
106 / 2692	71 / 1803	87 / 2210	9161 / 4155

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