



Typical Applications

- Gas Assisted Injection Molding (GAIM)
- Heat Treatment of Ferrous & Non-Ferrous Metals
- Inerting of Flammable Liquids & Gases
- Food Packaging
- Laser / Plasma Cutting
- Re-flow and Wave Soldering of PCBs
- Brazing
- Blanketing of Chemical & Pharmaceuticals
- Auto Clave

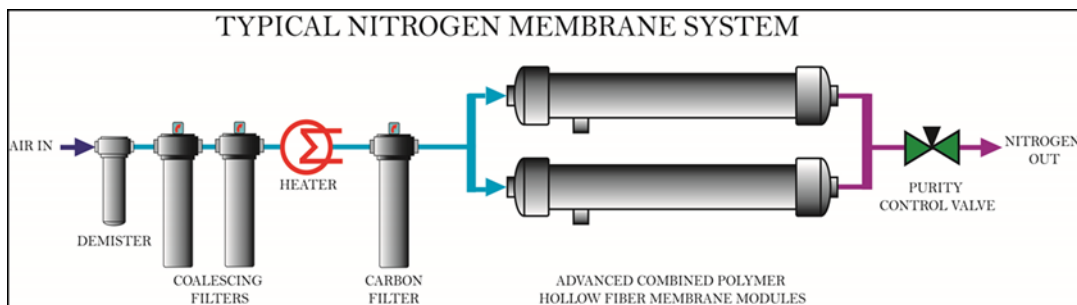
Advantages of Membrane Cabinets

- Low Operating Pressures
- No Hazardous Storage or Connections
- Low Gas Generating costs
- Low Operating Cost
- Easy to Install
- Near Maintain Free
- Extremely Low dBa levels
- Easily Boosted to High pressure

For over 30 years GENERON has been the world leader in the design and fabrication of Nitrogen Generators. In this time period, GENERON has supplied over 9,000 Nitrogen Generators from the cabinet to large containerized systems. These systems require low maintenance and less power to run.

The GENERON NOW Series is designed and fabricated using the patented GENERON® Hollow Fiber Membranes. This highly engineered systems enables high flow rates in a small modular design.

The membrane module contains 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 and vented from the feed air as it flows to the other end of the module.



Standard Components

- Combine Polymer Hollow Fiber Membranes (Increased module output performance)
- Oxygen Analyzer (With two (2) dry contact output alarms, 4-20mA output signal)
- Activated Carbon Filter (With an integrated .01 Particulate filter wrap)
- Powder Coated Steel Back Panel
- Purity Control Valve
- Stainless Steel piping, Gauges, and instrumentation

Options

- Performance Heater
- Product Flow Meter
- Inlet Filtration Package
- Auto Shut Down/Startup mode (with manual bypass valve capacity)
- Auto Standby mode
- Off Specification Circuit
- Expandable (in some series sizes)

Special Options

- NEMA 4X (316 Stainless Steel)
- HMI Display Screen: Displays Inlet pressure, outlet pressure, system run status, O2 concentration
- Demister
- Dew Point Analyzer
- Enhanced PLC for Telemetry
- Hazardous Area Classifications

Nitrogen Generators Industrial Cabinet

Series: CP-6806

Nitrogen Membrane Cabinet CP-6806 Specifications & Performance						
100 PSIG Feed Pressure				125 PSIG Feed Pressure		
Nitrogen %	N2 Flow	N2 Pressure	Feed Air Flow	N2 Flow	N2 Pressure	Feed Air Flow
	SCFH	PSIG	SCFM	SCFH	PSIG	SCFM
	NM ³ H	Barg	NM ³ H	NM ³ H	Barg	NM ³ H
95	12,235	84	414	16,602	107	545
	323	6	654	438	7	862
96	10,398	86	380	14,094	109	500
	274	6	601	372	8	790
97	8,658	87	348	11,718	111	455
	228	6	550	309	8	720
98	6,966	89	316	9,408	113	412
	184	6	500	248	8	650
99	5,208	90	284	7,008	115	367
	137	6	449	185	8	579
99.5	4,080	91	265	5,478	116	338
	108	6	419	145	8	535

Nitrogen Membrane Cabinet CP-6806 Specifications & Performance						
150 PSIG Feed Pressure				175 PSIG Feed Pressure		
Nitrogen %	N2 Flow	N2 Pressure	Feed Air Flow	N2 Flow	N2 Pressure	Feed Air Flow
	SCFH	PSIG	SCFM	SCFH	PSIG	SCFM
	NM ³ H	Barg	NM ³ H	NM ³ H	Barg	NM ³ H
95	21,132	131	681	25,764	156	820
	558	9	1,076	680	11	1,296
96	17,928	134	623	21,846	158	749
	473	9	984	576	11	1,183
97	14,880	136	566	18,120	160	678
	393	9	894	478	11	1,071
98	11,934	137	509	14,400	162	608
	315	9	804	380	11	960
99	8,868	139	450	10,764	164	534
	234	10	711	284	11	844
99.5	6,858	141	412	8,370	165	486
	181	10	651	221	11	768

STD.: 68°F 14.5 PSI Inlet Temperature 75°F Dew Point 38°F or <

Approximate Weight and Dimensions				
Standard	H	W	L	Weight
in / lbs	87	63	32	962
mm / kg	2,200	1,600	800	436

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