



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

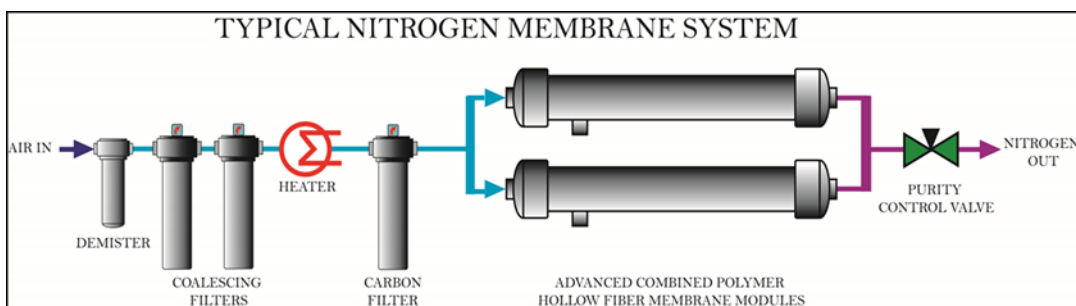
Advantages of Membrane Cabinets

- 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-6807

Nitrogen Membrane Cabinet CP-6807 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	14,274	84	483	19,369	107	636
	377	6	763	511	7	1,005
96	12,131	86	444	16,443	109	583
	320	6	701	434	8	921
97	10,101	87	406	13,671	111	531
	267	6	641	361	8	839
98	8,127	89	369	10,976	113	480
	214	6	583	290	8	759
99	6,076	90	332	8,176	115	428
	160	6	524	216	8	676
99.5	4,760	91	309	6,391	116	395
	126	6	489	169	8	624

Nitrogen Membrane Cabinet CP-6807 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	24,654	131	795	30,058	156	957
	651	9	1,255	793	11	1,512
96	20,916	134	727	25,487	158	874
	552	9	1,148	672	11	1,380
97	17,360	136	660	21,140	160	791
	458	9	1,043	558	11	1,250
98	13,923	137	594	16,800	162	709
	367	9	938	443	11	1,120
99	10,346	139	525	12,558	164	623
	273	10	830	331	11	984
99.5	8,001	141	481	9,765	165	567
	211	10	760	258	11	896

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	1,024
mm / kg	2,200	1,600	800	464

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