

# GENERON® Nitrogen Industrial Cabinet

## Series: CP-6808



### 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

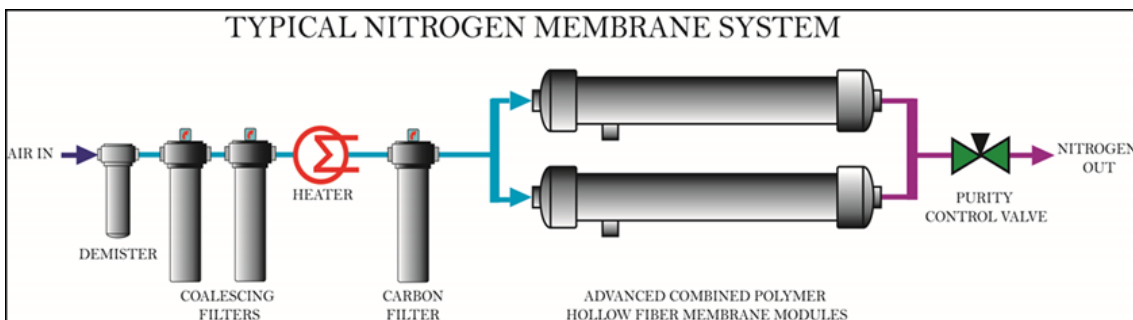
### Advantages of Membrane Cabinets

- 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

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Nitrogen Membrane Cabinet CP-6808 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 <sup>3</sup> H	Barg	NM <sup>3</sup> H	NM <sup>3</sup> H	Barg	NM <sup>3</sup> H
95	16,313	84	552	22,136	107	727
	430	6	872	584	7	1,149
96	13,864	86	507	18,792	109	666
	366	6	801	496	8	1,053
97	11,544	87	464	15,624	111	607
	305	6	733	412	8	959
98	9,288	89	422	12,544	113	549
	245	6	666	331	8	867
99	6,944	90	379	9,344	115	489
	183	6	599	247	8	772
99.5	5,440	91	354	7,304	116	451
	144	6	559	193	8	713

Nitrogen Membrane Cabinet CP-6808 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 <sup>3</sup> H	Barg	NM <sup>3</sup> H	NM <sup>3</sup> H	Barg	NM <sup>3</sup> H
95	28,176	131	908	34,352	156	1,094
	743	9	1,435	906	11	1,728
96	23,904	134	830	29,128	158	998
	631	9	1,312	769	11	1,577
97	19,840	136	754	24,160	160	904
	523	9	1,192	637	11	1,428
98	15,912	137	678	19,200	162	810
	420	9	1,072	507	11	1,280
99	11,824	139	600	14,352	164	712
	312	10	948	379	11	1,125
99.5	9,144	141	550	11,160	165	648
	241	10	868	294	11	1,024

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	1,086
mm / kg	2,200	1,600	800	492

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