



#### 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

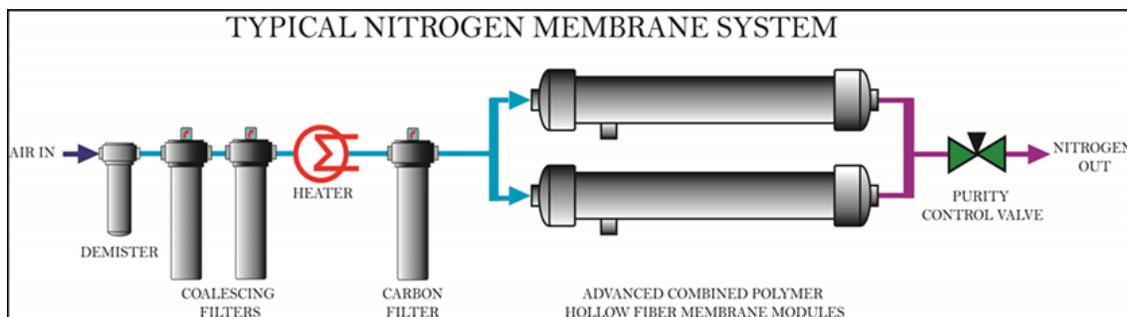
#### Advantages of Membrane Cabinets

- 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-6803

Nitrogen Membrane Cabinet CP-6803 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	6,117	84	207	8,301	107	273
	161	6	327	219	7	431
96	5,199	86	190	7,047	109	250
	137	6	301	186	8	395
97	4,329	87	174	5,859	111	228
	114	6	275	155	8	360
98	3,483	89	158	4,704	113	206
	92	6	250	124	8	325
99	2,604	90	142	3,504	115	183
	69	6	225	92	8	290
99.5	2,040	91	133	2,739	116	169
	54	6	210	72	8	267

Nitrogen Membrane Cabinet CP-6803 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	10,566	131	341	12,882	156	410
	279	9	538	340	11	648
96	8,964	134	311	10,923	158	374
	237	9	492	288	11	592
97	7,440	136	283	9,060	160	339
	196	9	447	239	11	536
98	5,967	137	254	7,200	162	304
	157	9	402	190	11	480
99	4,434	139	225	5,382	164	267
	117	10	356	142	11	422
99.5	3,429	141	206	4,185	165	243
	90	10	326	110	11	384

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	32	32	724
mm / kg	2,200	800	800	328

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