



#### 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

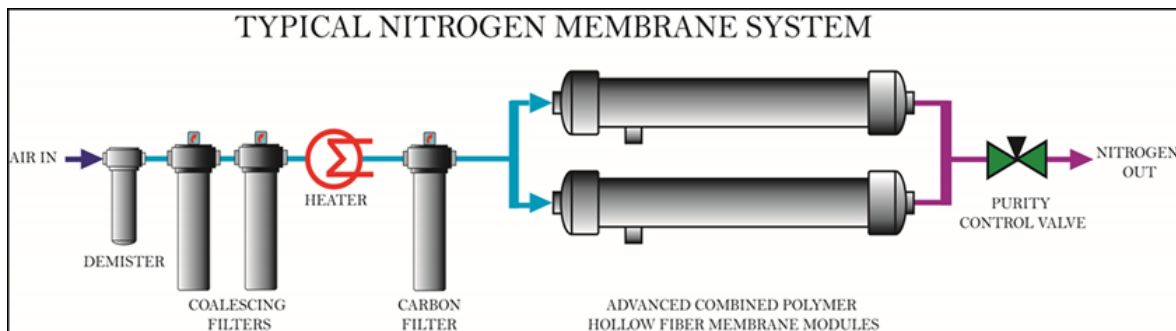
#### Advantages of Membrane Cabinets

- 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-6801

Nitrogen Membrane Cabinet CP-6801 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	2,039	84	69	2,767	107	91
	54	6	109	73	7	144
96	1,733	86	63	2,349	109	83
	46	6	100	62	8	132
97	1,443	87	58	1,953	111	76
	38	6	92	52	8	120
98	1,161	89	53	1,568	113	69
	31	6	83	41	8	108
99	868	90	47	1,168	115	61
	23	6	75	31	8	97
99.5	680	91	44	913	116	56
	18	6	70	24	8	89

Nitrogen Membrane Cabinet CP-6801 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	3,522	131	114	4,294	156	137
	93	9	179	113	11	216
96	2,988	134	104	3,641	158	125
	79	9	164	96	11	197
97	2,480	136	94	3,020	160	113
	65	9	149	80	11	179
98	1,989	137	85	2,400	162	101
	52	9	134	63	11	160
99	1,478	139	75	1,794	164	89
	39	10	119	47	11	141
99.5	1,143	141	69	1,395	165	81
	30	10	109	37	11	128

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	600
mm / kg	2,200	800	800	272

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