



#### 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

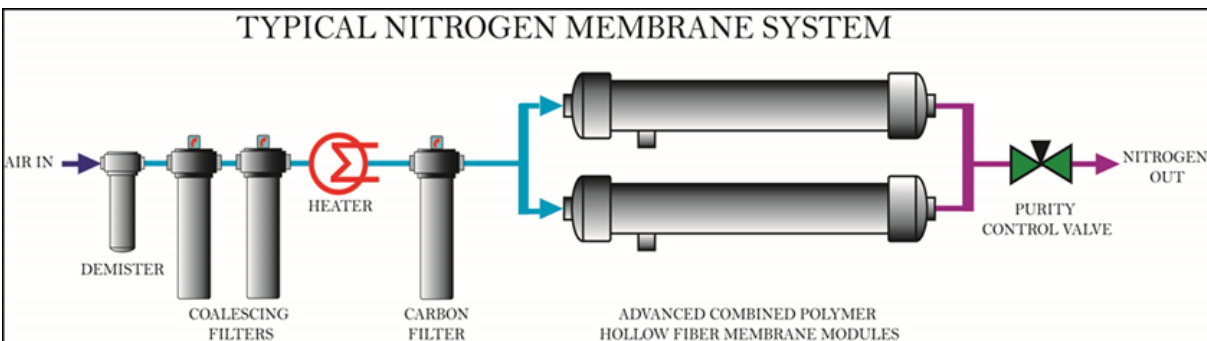
#### Advantages of Membrane Cabinets

- 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-6802

Nitrogen Membrane Cabinet CP-6802 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	4,078	84	138	5,534	107	182
	108	6	218	146	7	287
96	3,466	86	127	4,698	109	167
	91	6	200	124	8	263
97	2,886	87	116	3,906	111	152
	76	6	183	103	8	240
98	2,322	89	105	3,136	113	137
	61	6	167	83	8	217
99	1,736	90	95	2,336	115	122
	46	6	150	62	8	193
99.5	1,360	91	88	1,826	116	113
	36	6	140	48	8	178

Nitrogen Membrane Cabinet CP-6802 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	7,044	131	227	8,588	156	273
	186	9	359	227	11	432
96	5,976	134	208	7,282	158	250
	158	9	328	192	11	394
97	4,960	136	189	6,040	160	226
	131	9	298	159	11	357
98	3,978	137	170	4,800	162	203
	105	9	268	127	11	320
99	2,956	278	75	3,588	164	178
	78	19	119	95	11	281
99.5	2,286	141	137	2,790	165	162
	60	10	217	74	11	256

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	662
mm / kg	2,200	800	800	300

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