Nitrogen Generators Industrial Cabinet

Series: CP-6801

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

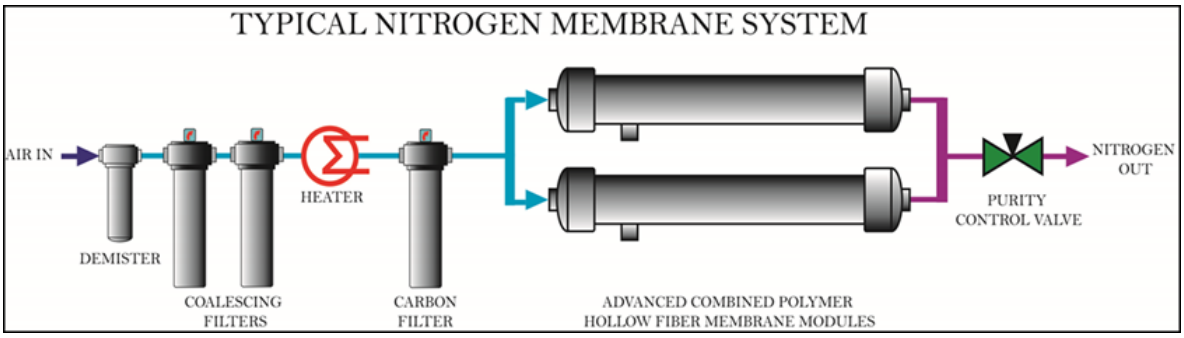
Advantages of Membrane Cabinets

- 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 concetraion
- Demister
- Dew Point Analyzer
- Enhanced PLC for Telemetry
- Hazardous Area Classifications

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Nitrogen Membrane Cabinet CP-6801 Specifications & Performance						
	100 PSIG Feed Pressure			125 PSIG Feed Pressure		
Nitrogen %	N2 Flow SCFH / NM³H	N2 Pressure PSIG / Barg	Feed Air Flow SCFM / NM³H	N2 Flow SCFH / NM³H	N2 Pressure PSIG / Barg	Feed Air Flow SCFM / NM³H
95	2,039 / 54	84 / 6	69 / 109	2,767 / 73	107 / 7	91 / 144
96	1,733 / 46	86 / 6	63 / 100	2,349 / 62	109 / 8	83 / 132
97	1,443 / 38	87 / 6	58 / 92	1,953 / 52	111 / 8	76 / 120
98	1,161 / 31	89 / 6	53 / 83	1,568 / 41	113 / 8	69 / 108
99	868 / 23	90 / 6	47 / 75	1,168 / 31	115 / 8	61 / 97
99.5	680 / 18	91 / 6	44 / 70	913 / 24	116 / 8	56 / 89

Nitrogen Membrane Cabinet CP-6801 Specifications & Performance						
	150 PSIG Feed Pressure			175 PSIG Feed Pressure		
Nitrogen %	N2 Flow SCFH / NM³H	N2 Pressure PSIG / Barg	Feed Air Flow SCFM / NM³H	N2 Flow SCFH / NM³H	N2 Pressure PSIG / Barg	Feed Air Flow SCFM / NM³H
95	3,522 / 93	131 / 9	114 / 179	4,294 / 113	156 / 11	137 / 216
96	2,988 / 79	134 / 9	104 / 164	3,641 / 96	158 / 11	125 / 197
97	2,480 / 65	136 / 9	94 / 149	3,020 / 80	160 / 11	113 / 179
98	1,989 / 52	137 / 9	85 / 134	2,400 / 63	162 / 11	101 / 160
99	1,478 / 39	139 / 10	75 / 119	1,794 / 47	164 / 11	89 / 141
99.5	1,143 / 30	141 / 10	69 / 109	1,395 / 37	165 / 11	81 / 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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