Nitrogen Industrial Cabinet

Series: CP-6807

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

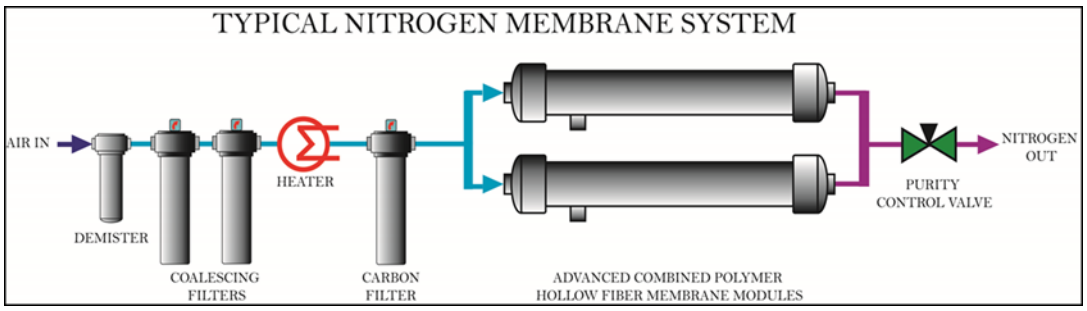
Advantages of Membrane Cabinets

- 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

Nitrogen Generators Industrial Cabinet Series: CP-6807

Nitrogen Membrane Cabinet CP-6807 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	14,274 / 377	84 / 6	483 / 763	19,369 / 511	107 / 7	636 / 1,005
96	12,131 / 320	86 / 6	444 / 701	16,443 / 434	109 / 8	583 / 921
97	10,101 / 267	87 / 6	406 / 641	13,671 / 361	111 / 8	531 / 839
98	8,127 / 214	89 / 6	369 / 583	10,976 / 290	113 / 8	480 / 759
99	6,076 / 160	90 / 6	332 / 524	8,176 / 216	115 / 8	428 / 676
99.5	4,760 / 126	91 / 6	309 / 489	6,391 / 169	116 / 8	395 / 624

Nitrogen Membrane Cabinet CP-6807 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	24,654 / 651	131 / 9	795 / 1,255	30,058 / 793	156 / 11	957 / 1,512
96	20,916 / 552	134 / 9	727 / 1,148	25,487 / 672	158 / 11	874 / 1,380
97	17,360 / 458	136 / 9	660 / 1,043	21,140 / 558	160 / 11	791 / 1,250
98	13,923 / 367	137 / 9	594 / 938	16,800 / 443	162 / 11	709 / 1,120
99	10,346 / 273	139 / 10	525 / 830	12,558 / 331	164 / 11	623 / 984
99.5	8,001 / 211	141 / 10	481 / 760	9,765 / 258	165 / 11	567 / 896

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	1,024
mm / kg	2,200	1,600	800	464

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QUALITY SYSTEM CERTIFICATION DNV·GL