



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

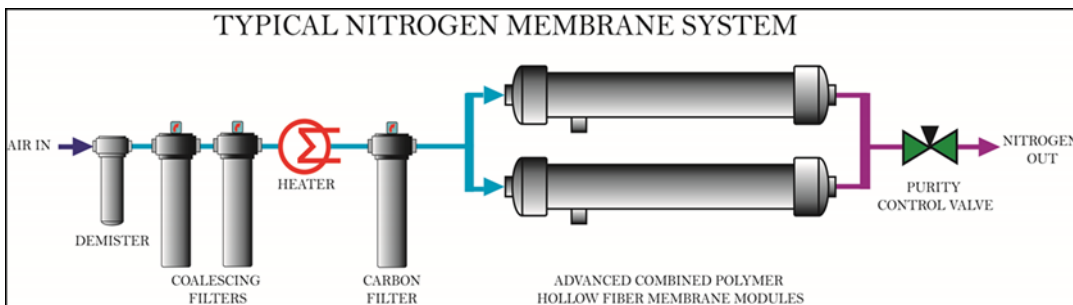
Advantages of Membrane Cabinets

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

Nitrogen Generators Industrial Cabinet

Series: CP-6805

Nitrogen Membrane Cabinet CP-6805 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 ³ H	Barg	NM ³ H	NM ³ H	Barg	NM ³ H
95	10,196	84	345	13,835	107	455
	269	6	545	365	7	718
96	8,665	86	317	11,745	109	417
	229	6	501	310	8	658
97	7,215	87	290	9,765	111	380
	190	6	458	258	8	600
98	5,805	89	264	7,840	113	343
	153	6	416	207	8	542
99	4,340	90	237	5,840	115	306
	115	6	374	154	8	483
99.5	3,400	91	221	4,565	116	282
	90	6	349	120	8	446

Nitrogen Membrane Cabinet CP-6805 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 ³ H	Barg	NM ³ H	NM ³ H	Barg	NM ³ H
95	17,610	131	568	21,470	156	684
	465	9	897	566	11	1,080
96	14,940	134	519	18,205	158	624
	394	9	820	480	11	986
97	12,400	136	472	15,100	160	565
	327	9	745	398	11	893
98	9,945	137	424	12,000	162	507
	262	9	670	317	11	800
99	7,390	139	375	8,970	164	445
	195	10	593	237	11	703
99.5	5,715	141	344	6,975	165	405
	151	10	543	184	11	640

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	900
mm / kg	2,200	1,600	800	408

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