



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

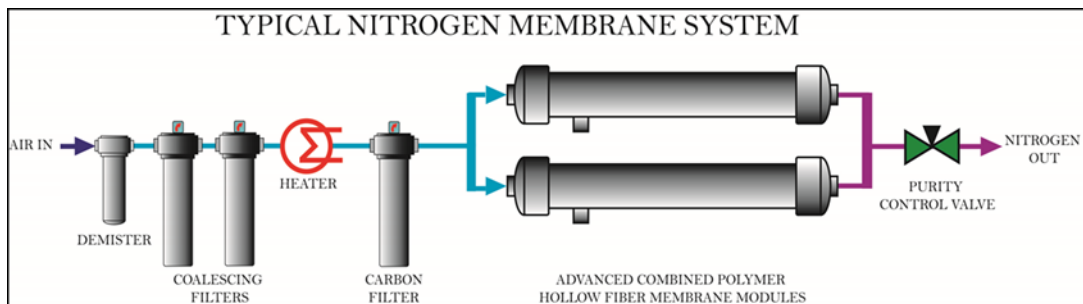
Advantages of Membrane Cabinets

- 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-6804

Nitrogen Membrane Cabinet CP-6804 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	8,156	84	276	11,068	107	364
	215	6	436	292	7	574
96	6,932	86	254	9,396	109	333
	183	6	401	248	8	526
97	5,772	87	232	7,812	111	304
	152	6	367	206	8	480
98	4,644	89	211	6,272	113	274
	123	6	333	165	8	434
99	3,472	90	190	4,672	115	244
	92	6	300	123	8	386
99.5	2,720	91	177	3,652	116	226
	72	6	279	96	8	356

Nitrogen Membrane Cabinet CP-6804 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	14,088	131	454	17,176	156	547
	372	9	717	453	11	864
96	11,952	134	415	14,564	158	499
	315	9	656	384	11	789
97	9,920	136	377	12,080	160	452
	262	9	596	319	11	714
98	7,956	137	339	9,600	162	405
	210	9	536	253	11	640
99	5,912	139	300	7,176	164	356
	156	10	474	189	11	562
99.5	4,572	141	275	5,580	165	324
	121	10	434	147	11	512

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	786
mm / kg	2,200	800	800	356

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