

## **Nitrogen Industrial Cabinet**

### Series: CP-6804



#### **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

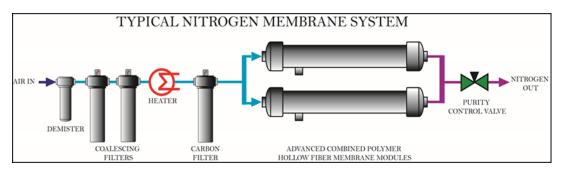
#### **Advantages of Membrane Cabinets**

- 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<sup>®</sup> 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-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		
	NM³H	Barg	NM³H	NM³H	Barg	NM <sup>3</sup> 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 Merr	brane Cabine	et CP-6804 Sp	ecifications 8	Performance	)		
	150 PSIG Feed Pressure				175 PSIG Feed Pressure			
	N2 Flow	N2 Pressure	Feed Air Flow	N2 Flow	N2 Pressure	Feed Air Flow		
Nitrogen %	SCFH	PSIG	SCFM	SCFH	PSIG	SCFM		
	NM³H	Barg	NM³H	NM³H	Barg	NM³H		
05	14,088	131	454	17,176	156	547		
95	372	9	717	453	11	864		
06	11,952	134	415	14,564	158	499		
96	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	Н	W	L	Weight				
in / Ibs	87	32	32	786				
mm / kg	2,200	800	800	356				

#### GENERON

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