

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

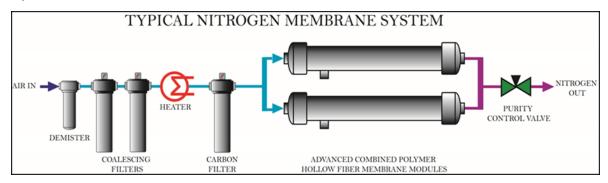
Advantages of Membrane Cabinets

- 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	N2 Pressure	Feed Air Flow	N2 Flow	N2 Pressure	Feed Air Flow		
	SCFH	PSIG	SCFM	SCFH	PSIG	SCFM		
	NM³H	Barg	NM³H	NM³H	Barg	NM³H		
95	2,039	84	69	2,767	107	91		
	54	6	109	73	7	144		
96	1,733	86	63	2,349	109	83		
	46	6	100	62	8	132		
97	1,443	87	58	1,953	111	76		
	38	6	92	52	8	120		
98	1,161	89	53	1,568	113	69		
	31	6	83	41	8	108		
99	868	90	47	1,168	115	61		
	23	6	75	31	8	97		
99.5	680	91	44	913	116	56		
	18	6	70	24	8	89		
N	itrogen Mem	brane Cabine	et CP-6801 Sp	ecifications	& Performano	e		
N		brane Cabine SIG Feed Press			& Performano PSIG Feed Pres			
					SIG Feed Pres			
Nitrogen %	150 PS	SIG Feed Press	sure	175 F	SIG Feed Pres	ssure		
	150 PS N2 Flow	N2 Pressure	Feed Air Flow	175 F N2 Flow	PSIG Feed Pres N2 Pressure	Feed Air Flow		
Nitrogen %	150 PS N2 Flow SCFH	N2 Pressure PSIG	Feed Air Flow SCFM	175 F N2 Flow SCFH	N2 Pressure PSIG	Feed Air Flow SCFM		
	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		
Nitrogen % 95	N2 Flow SCFH NM³H 3,522	N2 Pressure PSIG Barg 131	Feed Air Flow SCFM NM³H 114	175 F N2 Flow SCFH NM³H 4,294	N2 Pressure PSIG Barg 156	Feed Air Flow SCFM NM³H 137		
Nitrogen %	150 PS N2 Flow SCFH NM³H 3,522 93	N2 Pressure PSIG Barg 131	Feed Air Flow SCFM NM³H 114 179	175 F N2 Flow SCFH NM³H 4,294 113	PSIG Feed Pres N2 Pressure PSIG Barg 156 11	Feed Air Flow SCFM NM³H 137 216		
Nitrogen % 95 96	150 PS N2 Flow SCFH NM³H 3,522 93 2,988	N2 Pressure PSIG Barg 131 9 134	Feed Air Flow SCFM NM³H 114 179 104	175 F N2 Flow SCFH NM³H 4,294 113 3,641	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158	Feed Air Flow SCFM NM³H 137 216 125		
Nitrogen % 95	150 PS N2 Flow SCFH NM³H 3,522 93 2,988 79	N2 Pressure PSIG Barg 131 9 134	Feed Air Flow SCFM NM³H 114 179 104	175 F N2 Flow SCFH NM³H 4,294 113 3,641 96	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158	Feed Air Flow SCFM NM³H 137 216 125 197		
Nitrogen % 95 96	150 PS N2 Flow SCFH NM³H 3,522 93 2,988 79 2,480	N2 Pressure PSIG Barg 131 9 134 9	Feed Air Flow SCFM NM³H 114 179 104 164 94	175 F N2 Flow SCFH NM³H 4,294 113 3,641 96 3,020	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158 11	Feed Air Flow SCFM NM³H 137 216 125 197		
Nitrogen % 95 96	150 PS N2 Flow SCFH NM³H 3,522 93 2,988 79 2,480 65	N2 Pressure PSIG Barg 131 9 134 9 136	Feed Air Flow SCFM NM³H 114 179 104 164 94	N2 Flow SCFH NM³H 4,294 113 3,641 96 3,020 80	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158 11 160 11	Feed Air Flow SCFM NM³H 137 216 125 197 113 179		
95 96 97 98	150 PS N2 Flow SCFH NM³H 3,522 93 2,988 79 2,480 65 1,989	N2 Pressure PSIG Barg 131 9 134 9 136 9 137	SUITE Feed Air Flow SCFM NM³H 114 179 104 164 94 149 85	175 F N2 Flow SCFH NM³H 4,294 113 3,641 96 3,020 80 2,400	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158 11 160 11 162	Feed Air Flow SCFM NM³H 137 216 125 197 113 179 101		
Nitrogen % 95 96	150 PS N2 Flow SCFH NM³H 3,522 93 2,988 79 2,480 65 1,989 52	N2 Pressure PSIG Barg 131 9 134 9 136 9 137	Feed Air Flow SCFM NM³H 114 179 104 164 94 149 85 134	175 F N2 Flow SCFH NM³H 4,294 113 3,641 96 3,020 80 2,400 63	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158 11 160 11 162 11	Feed Air Flow SCFM NM³H 137 216 125 197 113 179 101 160		
95 96 97 98	150 PS N2 Flow SCFH NM³H 3,522 93 2,988 79 2,480 65 1,989 52 1,478	N2 Pressure PSIG Barg 131 9 134 9 136 9 137 9 139	Feed Air Flow SCFM NM³H 114 179 104 164 94 149 85 134 75	175 F N2 Flow SCFH NM³H 4,294 113 3,641 96 3,020 80 2,400 63 1,794	PSIG Feed Pres N2 Pressure PSIG Barg 156 11 158 11 160 11 162 11 164	Feed Air Flow SCFM NM³H 137 216 125 197 113 179 101 160 89		

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 / lbs	87	32	32	600				
mm / kg	2,200	800	800	272				

GENERON

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