

# GENERON NITROGEN GENERATING SYSTEMS

## MEMBRANE Cabinet Series

- Blanketing of Chemicals and Pharmaceuticals
- Cylinder Filling
- Gas Assisted Injection Molding (GAIM)
- Heat Treatment of Ferrous & Non-Ferrous Metals
- Inerting of Flammable Liquids
- Laboratory Nitrogen
- Marine Vessels



For over 40 years **GENERON** has been the world leader in the design and manufacture of Nitrogen Generators. **GENERON**<sup>®</sup> has supplied thousands of Nitrogen Generators, from cabinet to large containerized systems, around the world. These systems are energy efficient, have a 30% smaller footprint and are low maintenance. Our maintenance programs ensure your systems long term efficient operation.

The **GENERON**<sup>®</sup> **Single & Double** Cabinet Series is ideal where low to medium Nitrogen flow rates are required in a small footprint. **GENERON**<sup>®</sup> **Cabinet** Series is designed and manufactured using the patented **GENERON**<sup>®</sup> Hollow Fiber Membranes. These highly engineered systems produce high flow rates in a range of cabinet designs and sizes. From our Wall Unit (NOW), marine and large customized skids and retrofits, **GENERON** delivers a superior product and customer service.

Our ISO 9000, ASME, PED, UL/CSA and GOST certified facilities and shops in Texas and California ensure the highest-standards are met and your expectations exceeded.

### FEATURING:

- **Convenient:** Fully Automatic Unattended Operation
- **Easy:** Maintenance and operation
- **Economical:** Low Operating Cost
- **Reliable::** Systems Built to Last
- **Safe:** Low Operating Pressures, no Hazardous Storage
  - Hydrocarbon free
  - Nitrogen Dew Point down to  $-70^{\circ}$  F ( $57^{\circ}$  C)
  - Nitrogen purities up to 99.999%
  - Optional Dew Point feature of  $-100^{\circ}$  F ( $-73^{\circ}$  C)
  - Oxygen Analyzer
  - PLC



# N<sub>2</sub> MEMBRANE SYSTEMS

## Cabinet Series

NITROGEN OUTPUT FLOW RATE—4000 Series Cabinets				
	4001		4002	
Pressure PSIG / BAR G	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr
<b>100 / 6.9</b>	11 / 17	23 / 37	21 / 34	47 / 74
<b>150 / 10.3</b>	19 / 30	40 / 62	38 / 60	76 / 120
<b>175 / 12.0</b>	23 / 36	46 / 73	46 / 72	92 / 144

  

NITROGEN OUTPUT FLOW RATE—6000 Single & Dual Cabinets All flow rates are rated at 95% Purity				
	6001-4		6005-8	
Pressure PSIG / BAR G	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr	Nitrogen Flow SCFM / Nm3/hr	Air Demand SCFM / Nm3/hr
<b>100 / 6.9</b>	140 / 220	312 / 490	280 / 440	625 / 980
<b>150 / 10.3</b>	254 / 400	535 / 840	510 / 800	1070 / 1680
<b>175 / 12.0</b>	303 / 477	630 / 990	607 / 954	1261 / 1980

\*\*Flow rates at standard atmospheric conditions (77°F and 14.7 psi.)

\*\*\*Dew point at < -85°F     **Additional purities and flows available.**

Approximate Weight and Dimensions				
Size	L inch / mm	W inch / mm	H Inch / mm	Weight lbs. / kg
4000 Series	30 / 762	28 / 711	66 / 1676	250 / 112
6000 Series	32 / 812	32 / 812	90 / 2286	800 / 360
6000 Dual	64 / 1625	32 / 812	90 / 2286	1200 / 540



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