

HSS Membrane Series

Nitrogen Generator

Summary

HSS Membrane Series nitrogen generators use patented membrane technology to produce an uninterrupted supply of gaseous nitrogen, on site. This compact system is ideally suited for low-flow applications that presently employ high-pressure gas cylinders or dewars of nitrogen. With the HSS, the inconvenience of gas cylinders and liquid dewars is eliminated. Nitrogen is generated at your location, continuously and reliably, requiring only a supply of compressed air.

CGT's membrane technology works by filtering oxygen from a stream of compressed, dry air via hundreds of thousands of hollow, polymeric fibers — each about the diameter of a human hair — to produce gaseous nitrogen. The flow and purity of the nitrogen are at your control, assuring the perfect match to your nitrogen requirements. And, the automated HSS system virtually operates itself without requiring the attention of an operator.



Features & Benefits

- Nitrogen flows from 15–2,000 scfh
- Nitrogen purity adjustable from 95%–99.9%
- Gaseous nitrogen on demand
- No cylinder storing, monitoring, handling, demurrage charges, or delivery concerns
- Small footprint for site flexibility, with floor or wall mount option
- Low cost, reliable
- Simple, manual control process
- Air supply and nitrogen storage pressure gauges
- Silent, unattended, plug-and-play operation
- Easy to service and maintain
- No electricity required, and no moving parts
- Expandable units for future growth
- High efficiency filtration package

COMPRESSED GAS TECHNOLOGIES INC.

Nitrogen Generation Specialists Since 2001

www.nitrogen-generators.com



Performance Data* and Specs

Model	Nitrogen Purity						Approximate Dimensions & Weights			
	95%	96%	97%	98%	99%	99.5%	Height	Width	Depth	Weight
	Flow Rate at the Outlet (scfm)									
HSS-30	713	601	498	388	272	198	63"	24"	20"	324 lbs
HSS-60	1426	1202	978	776	544	396	63"	24"	20"	339 lbs
HSS-90	2139	1803	1467	1164	816	594	63"	24"	20"	354 lbs

*Performance is based on 77°F, 101.5 psi at the Membrane and is +/-5%. Data will vary with temperature and pressure.

Optional Features

- Nitrogen buffer tanks
- Air compressor packages including air dryers
- Auto shutoff
- Oxygen analyzers
- Outdoor modifications / Stainless steel enclosures for harsh conditions
- High pressure, up to 4500 psig
- Containerized unit



Let our technical representatives help you determine the right system to meet your specific nitrogen needs or answer any question you may have.

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