

# INTEGRATED NITROGEN GENERATORS



# Integrated Nitrogen Systems

Over the past thirty years, IGS has been the leader in the supply of Nitrogen Generators for the Marine Industry. During this period, IGS has supplied over 750 systems to the Marine Industry from Cabinet to Skidded to Integrated Systems to meet the demands of the industry. IGS, working with Ship Owners and Fabricators, developed the Integrated Nitrogen Generator to meet the requirements of systems with a smaller foot print and ease of installation. These highly compact systems meet these requirements while providing a high degree of flexibility in the system Integration and Flexibility. The Integrated Nitrogen Generator Series is designed to save 55% of space and 40% of the installation hours over the conventional type three piece Nitrogen Generator Designs

## IMS Series

System Type	Nitrogen Flow Rate scfm (Nm3/hr)		Input Air Requirements scfm ( Nm3/hr)		Dimensions inches / mm
	150 psig (10.3 barg)	188 psig (13 barg)	150 psig (10.3 barg)	188 psig (13 barg)	
IMS 300	150 (235)	200 (310)	290 (455)	380 (595)	90" x 72" x 96" 2285mm x 1830mm x 2440mm Est. Weight: 71750 (3260 Kgs)
IMS 500	245 (380)	325 (510)	475 (740)	620 (965)	90" x 72" x 96" 2285mm x 1830mm x 2440mm Est. Weight: 9500 (4320 Kgs)
IMS 750	340(530)	450 (700)	655 (1020)	860 (1340)	151" x 60" x 96" 3835mm x 525mm x 2440mm Est. Weight: 14500 (6590 Kgs)
IMS 1000	490 (760)	650 (1015)	945 (1475)	1240 (1930)	198" x 78" x 96" 5030mm x 1980mm x 2440mm Est. Weight: 20000 (9090 Kgs)
IMS 1200	605 (940)	805 (1250)	1165 (1815)	1530 (2380)	198" x 78" x 96" 5030mm x 1980mm x 2440mm Est. Weight: 22000 (10000 Kgs)

The IGS Integrated Nitrogen Generators are designed for a multitude of applications including the blanketing and purging of Oil, Methanol, Ethanol, LNG, LPG and other Hazardous Chemical Carriers. Systems are supplied as standard packages or individually designed to meet our client's requirements and all can be Certified by a Third Party Inspection Agency such as BV, LR, DNV, RINA, RMRS and others. Standard systems are designed for Non-Hazardous applications and for normal operating conditions.

### Standard Features include:

- Hydrocarbon Free
- Nitrogen Purities to 99.9%
- Nitrogen Dewpoints to 100<sup>0+</sup> F (-75<sup>0+</sup> C)
- Oxygen Analyzer
- PLC
- Integrated Primary Compression

### Options include:

- Hazardous Area Classification Zone II, Div II
- Sea Water / Fresh Water Cooled
- High / Low Ambient Environments
- Deck Line Reduction Valves
- Remote Monitoring Panels
- Totally enclosed or open frame design

### Generon IGS

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