

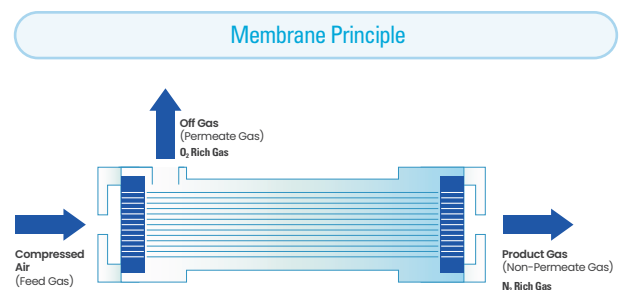
N₂ Generator



Product Overview

N₂ GEN produces nitrogen onboard the vessel and delivers it to various shipboard systems as required.

It serves multiple purposes—including fire prevention, cargo protection, and purging—ensuring stable and efficient operation while eliminating dependence on shore-based nitrogen supply.



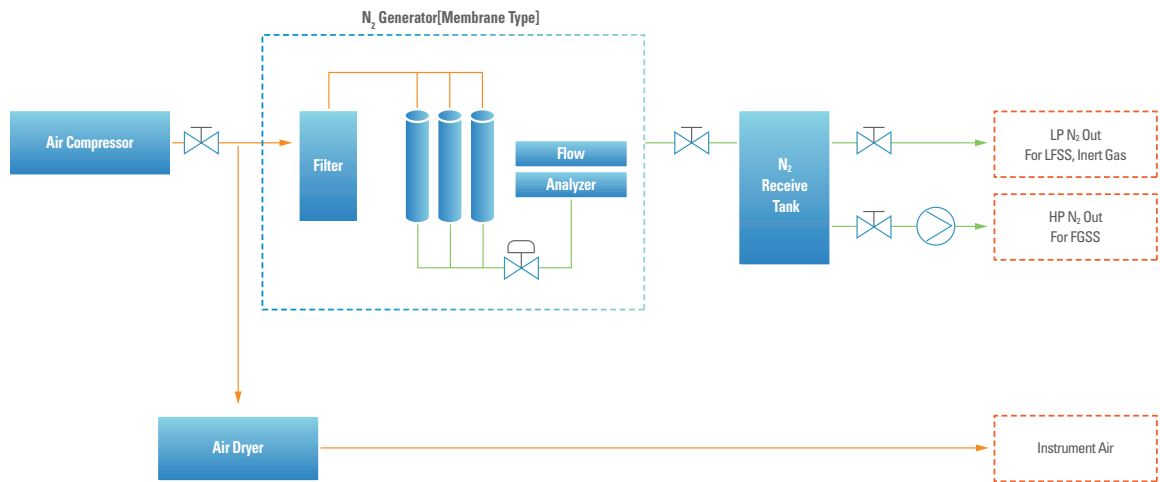
Technical Specification (Membrane Type)

Category		Typical	Remark
N₂ Generator	Generation Type	Membrane Type	+ PSA Type
	Capacity	Max. 350 Nm ³ /hr	
	N ₂ Purity	95 ~ 99 %	
	N ₂ Pressure	7 ~ 14 bar	14 bar : for LFSS
	N ₂ Temperature	+50°C	
	N ₂ Dew Point	-70°C	
	N ₂ Oil Contents	10 ppb	
	N ₂ Particles	0.01 micron	
Air Compressor	Power	AC 440V (Air Compressor) AC 220V (Control Panel)	
	Type	Screw Type (VSD/Fixed)	
Optional Items	Cooled Type	Water / Air	
Optional Items	Optional Items	N ₂ Storage Tank, Booster Pump, Air Dryer, Starter/Remote Panel	

Line-up (Membrane Type)

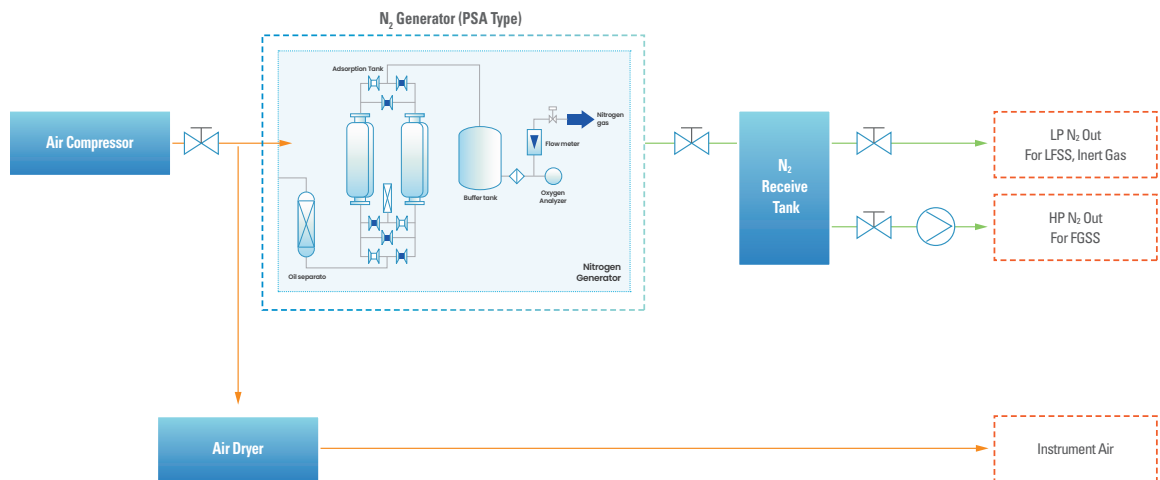
Model	Purity	N ₂ Capacities	Size (W x D x H) in mm
N2Gen - 25M	97%	Up to 25 Nm ³ /hr	800 x 800 x 2100
N2Gen - 50M		Up to 50 Nm ³ /hr	
N2Gen - 75M		Up to 75 Nm ³ /hr	1400 x 800 x 2100
N2Gen - 100M		Up to 100 Nm ³ /hr	
N2Gen - 150M		Up to 150 Nm ³ /hr	
N2Gen - 200M		Up to 200 Nm ³ /hr	1400 x 1000 x 2100
N2Gen - 300M		Up to 300 Nm ³ /hr	
N2Gen - 350M		Up to 350 Nm ³ /hr	1400 x 1200 x 2100

System Diagram



- Simple, modular setup
- Lower cost and low noise compared to PSA
- Easy maintenance with long module lifespan
- Automated Purity and Temperature Control
- Data Logging and Management
- Integrated Emergency Response Logic

Optional (PSA Type)



- High purity (99.999%)
- Suitable for large-capacity production
- Efficient for long-duration operation