



NITROMEM

MEMBRANE NITROGEN GENERATOR

Up to 99.5% nitrogen



- *High Efficiency*
- *Compact & Flexible*

MEMBRANE NITROGEN GENERATOR NITRO MEM

NITROMEM is a reliable and fully automatic nitrogen supply based on the hollow-fibre membrane technology. Air separation by means of hollow fibre membranes is a continuous process driven by the principle of selective permeation across the membrane wall. NOVAIR NOXERIOR GAS SYSTEMS offers a wide range of membrane module sizes, bringing the most efficient and competitive solution for your application and nitrogen flow required.



- Unprecedented energy efficiency
- Increased purity stability
- Instant optimal working conditions
- The NITROMEM system can produce Nitrogen with a residual oxygen content ranging from 0.5% to 5.0 vol%.

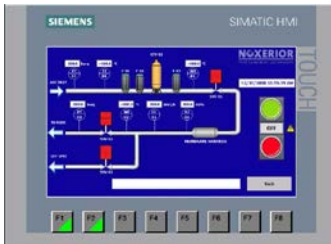
High quality oxygen analyser with zirconium oxide measuring cell that does not expire and does not require any replacement or calibration.

Communication ports

Ergonomic design, for a minimum footprint

Membrane modules allowing on-site easy upgrade in many models

Siemens PLC Controller



Allows the monitoring / remote control of the main process parameters and displays status messages such as gas purity, flow rate, total gas flow, total functioning hours and maintenance alerts.



MEMBRANE NITROGEN GENERATOR NITRO MEM

Designed for

- Biogas Production Plants
- Blanketing of Chemicals and Pharmaceuticals
- Corrosion Prevention in Power Plants
- Dry-Gas Sealing of Gas Compressors & Gas Turbines
- Gas Assisted Injection Moulding (GAIM)
- Inerting of Inflammable Powders & Liquids
- LNG / LPG Terminals
- Prevention of Dust Explosions
- Tyre Inflation
- Air Driven tools
- Autoclaves requiring a dry, non flammable gas where heating under pressure is required
- Food packaging
- Laser cutting
- Leak Checking
- Pipeline inerting
- Printing in high speed printers for drying

Why produce nitrogen on-site?

Benefits:

- Nitrogen available 24/7: continuous production
- Guaranteed purity: continuous analysis
- Full safety
- Proven savings
- No more logistic constraints
- Instant production on-demand: no more supply chain failure
- Eco-friendly solution: zero delivery & zero emission of pollutants



NOVAIR

MEMBRANE NITROGEN GENERATOR NITRO MEM

NITROMEM - Metric Capacity

Nitrogen Production Flow - m³/h - Inert Gas Purity / Residual O₂

Residual O ₂ Content	Supply Pressure	0.5 vol.%	1.0 vol.%	2.0 vol.%	3.0 vol.%	5.0 vol.%	N ₂ Output Pressure
		NM-9 Expandable to NM-36	7.5 bar	5.6	7.9	11.4	
	10 bar	7.6	11.0	16.5	21.5	32.2	8.2 bar
	13 bar	10.1	14.6	22.2	28.5	43.8	11.2 bar
NM-18 Expandable to NM-36	7.5 bar	11.2	15.8	22.8	30.4	45.0	5.7 bar
	10 bar	15.2	22.0	33.0	43.0	64.4	8.2 bar
	13 bar	20.2	29.2	44.4	57.0	87.6	11.2 bar
NM-27 Expandable to NM-36	7.5 bar	16.8	23.7	34.2	45.6	67.5	5.7 bar
	10 bar	22.8	33.0	49.5	64.5	96.6	8.2 bar
	13 bar	30.3	43.8	66.6	85.5	131.4	11.2 bar
NM-36	7.5 bar	22.4	31.6	45.6	60.8	90.0	5.7 bar
	10 bar	30.4	44.0	66.0	86.0	128.8	8.2 bar
	13 bar	40.4	58.4	88.8	114.0	175.2	11.2 bar
NM-45 Expandable to NM-72	7.5 bar	28.0	39.5	57.0	76.0	112.5	5.7 bar
	10 bar	38.0	55.0	82.5	107.5	161.0	8.2 bar
	13 bar	50.5	73.0	111.0	142.5	219.0	11.2 bar
NM-54 Expandable to NM-72	7.5 bar	33.6	47.4	68.4	91.2	135.0	5.7 bar
	10 bar	45.6	66.0	99.0	129.0	193.2	8.2 bar
	13 bar	60.6	87.6	133.2	171.0	262.8	11.2 bar
NM-63 Expandable to NM-72	7.5 bar	39.2	55.3	79.8	106.4	157.5	5.7 bar
	10 bar	53.2	77.0	115.5	150.5	225.4	8.2 bar
	13 bar	70.7	102.2	155.4	199.5	306.6	11.2 bar
NM-72	7.5 bar	44.8	63.2	91.2	121.6	180.0	5.7 bar
	10 bar	60.8	88.0	132.0	172.0	257.6	8.2 bar
	13 bar	80.8	116.8	177.6	228.0	350.4	11.2 bar

NITROMEM: Dimensions & Weights

NITROSWING® PSA generator	Dimensions Lx Wx H	Weight kg
NM-9	1200 x 700 x 2000 mm	315
NM-18	1200 x 700 x 2000 mm	330
NM-27	1200 x 700 x 2000 mm	380
NM-36	1200 x 700 x 2000 mm	395
NM-45	1700 x 700 x 2000 mm	500
NM-54	1700 x 700 x 2000 mm	515
NM-63	1700 x 700 x 2000 mm	565
NM-72	1700 x 700 x 2000 mm	580