

GEN2 PAC: The Complete Nitrogen Solution

Features

- Eliminate the cost, risk, and downtime tied to delivered nitrogen.
- Provides dependable performance, precise purity management, and predictable long-term costs.
- Typical ROI of 12 to 36 months
- Engineered as a single, integrated turnkey solution including:
 - Nitrogen generator (PSA technology matched to required purity and flow)
 - Compressed air treatment system with filtration, oil vapour removal system, and compressed air dryer
 - Integrated controls and HMI for purity, pressure, and alarm monitoring
 - Buffer/storage capacity for peak demand and stable supply
 - Quality monitoring (oxygen analyser, pressure sensors)
 - Pre-configured interconnections for fast installation
 - Skid-mounted for rapid deployment and clean service access
- Purity levels up to 99.995%
- Optimised compressed air and intelligent controls minimise power consumption.
- Pre-commissioned system
- Full warranty coverage



Advanced PSA Nitrogen Technology



nano's PSA technology delivers high-purity nitrogen on demand by efficiently removing oxygen from compressed air, ensuring stable purity, long media life, and a dependable, cost-saving alternative to delivered nitrogen.

Clean, Dry, Oil-Free Air for Maximum Nitrogen Performance



nano's integrated air treatment package featuring filtration, drying, and oil vapour removal, delivers clean, dry, oil-free air to maximise PSA performance, purity, and system reliability.

nano N₂: On-Site Gas Generators

GEN2PAC Skid System 1

SKID MODEL	50ppm		100ppm		500ppm		0.1%		0.5%		1%	
	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED
GEN ₂ i4.0 - MINIGEN 130	3	16.9	3.4	17	4.7	23.1	5.5	24.4	7.9	31.9	9.9	38.3
GEN ₂ i4.0 - MINIGEN 120	2.2	13.1	2.5	13.4	3.7	18.9	4.3	19.8	6.2	22.6	8	26
GEN ₂ i4.0 - MINIGEN 110	1.4	10.7	1.7	11.2	2.7	14.2	3.2	14.6	5.2	20.1	6.4	21.8
GEN ₂ i4.0 - MINIGEN 100	1.3	8.0	1.5	8.3	2.2	12.4	2.5	12.4	4.2	14.7	5.3	16.6
GEN ₂ i4.0 - MINIGEN 080	0.8	6.2	1	6.2	1.3	8.2	1.7	8.5	2.8	11.5	3.7	13.0
GEN ₂ i4.0 - MINIGEN 060	-	-	-	-	0.6	5.8	0.8	6.1	1.7	7.3	2.1	7.8

GEN2PAC Skid System 2

SKID MODEL	50ppm		100ppm		250ppm		500ppm		0.1%		0.5%		1%	
	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED
GEN ₂ i4.0 - 3110	5.1	37.6	6	39.2	7.5	38.6	9	43.1	10.8	48.3	15.6	55.3	17.3	60.7
GEN ₂ i4.0 - 2110	3.4	28.9	4	30	5	29.6	6	32.6	7.2	36.1	10.4	27.3	11.6	42.9
GEN ₂ i4.0 - 1110	1.7	20.3	2	20.8	2.5	20.6	3	22.1	3.6	23.1	5.2	26.1	5.8	20.9

GEN2PAC Skid System 3

SKID MODEL	50ppm		100ppm		250ppm		500ppm		0.1%		0.5%		1%	
	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED	Nm ³ /h FLOW	AIR REQUIRED
GEN ₂ i4.0 - 3110	14.4	95.8	16.8	99.7	20	90	22.8	102.2	26.4	119.8	37.8	135.8	42.0	143.4
GEN ₂ i4.0 - 2110	10.8	69.1	12.6	75.9	15	68	17.1	77.8	19.8	85.3	28.4	101.9	31.5	107.5
GEN ₂ i4.0 - 1110	7.2	48	8.9	52.5	10	47.6	11.4	51.5	13.2	56.5	18.9	66.9	21	74.7

BUILD SPECIFICATIONS

Pressure regulated	6 to 10 barg
Filtration	-0.01
Desiccant Dryer	-40°C
Oil Vapour Removal System	0.05
Nitrogen Gas Generator	50 ppm to 1% / 99.995 to 99%



Technical specifications subject to change without notice.
 Publication Reference: GEN2PAC-UK-EN-Version-000
 ©2026 Air & Gas Solutions LLC

nano
 Experience. Customer. Service.

nano-purification solutions
www.nano-purification.com

United Kingdom
 Gateshead, United Kingdom
 Phone: +1 91 497 7700
 Email: sales_uk@nano-purification.com

United States | Canada | United Kingdom | Singapore