

## Nano N2-Series GEN2+ 12130 Nitrogen Generator

- \* 99.9 to 99.999% purity
- \* Higher purity with pressure swing adsorption (PSA) technology
- \* Safe & Reliable (no hassle with gas cylinders or liquid nitrogen)
- \* Lower air consumption and refined controls provide energy efficiency
- \* Advanced PLC with HMI touchscreen controls (simple operations)
- \* Reduces carbon footprint by eliminating gas delivery to your facility
- \* 2 years warranty



Voltage	V	100 to 240v AC
Frequency	Hz	50 or 60hz
Operating pressure	barg	Min 6 Max 10 <sup>2)</sup>
Recommended operating temperature	Celcius	10 - 50
Max inlet particulate	Micron	0.1 Micron
Recommended inlet dew point	°C	-40 PDP <sup>3)</sup>
Max inlet oil content	ppm	0.01 <sup>4)</sup>
Dimensions HxWxD	MM	1811 x 399 x 2428
Weight	Kg	1.137

Rated outlet flow <sup>1)</sup>	Nitrogen purity at the outlet (max Oxygen content)					
	99.999% (10 ppm)	99.995% (50 ppm)	99.99% (100 ppm)	99.975% (250 ppm)	99.95% (500 ppm)	99.9% (0.10%)
Nm3 / Hour	27.2	38.4	44.9	53.3	60.9	70.5

pressure correction factors <sup>5)</sup>					
inlet air pressure (barg)	6	7	8	9	10
correction factor	0.88	1.00	1.10	1.20	1.20

temperature correction factors <sup>5)</sup>										
inlet air temperature (°C)	5	10	15	20	25	30	35	40	45	50
correction factor	0.80	0.90	0.94	1.00	1.00	0.98	0.95	0.90	0.85	0.72

- 1) At 7 barg inlet pressure and 20-25 °C inlet temperature. For outlet flow at all other conditions, refer to the correction factors above or contact our sales department at [info@tech-air.nl](mailto:info@tech-air.nl)
- 2) For pressures above 10 barg contact our sales department at [info@tech-air.nl](mailto:info@tech-air.nl)
- 3) Requires an upstream dryer. Contact us for selecting the optimum dryer for your application
- 4) Including oil vapour
- 5) To be used as a rough guide only. Contact us for sizing assistance

Connections are 1"BSPP inlet and to buffer vessel. 1/2" BSPP outlet and from buffer vessel