nano ECOGEN2: modular nitrogen gas generators

ECOGEN2 090

100 - 240 VAC/50 or 60 Hz - nitrogen generator

The nano ECOGEN2 nitrogen generator is designed to deliver nitrogen gas at a specified purity, low-flow and pressure as required by the application. The nano ECOGEN2 operates on the pressure swing adsorption principle, which allows for a continuous supply of nitrogen from clean dry compressed air. The nano ECOGEN2 generator offers a cost-effective, reliable and safe alternative.

general characteristics	
rated capacity (scfh) @ 95% / 98% / 99.9%	208 / 131/ 49 (1)
absorbed power (watts)	38
power supply	100-240 VAC / 50 or 60 Hz
operating limits	
design operating pressure range (psig)	87 to 145
recommended operating temperature range (°F)	68 to 77
minimum/maximum ambient temperature range (°F)	41 to 122 (2)
maximum inlet temperature (°F)	122 (2)
media chambers	
material of construction	aluminum
media type	carbon molecular sieve (CMS)
controls/design	
generator design	pressure swing adsorption (PSA)
controller type	programmable logic controller (PLC)
interface type	push button
connections	
compressed air inlet (bspp)	½"
nitrogen outlet to buffer vessel (bspp)	1"
nitrogen return from buffer vessel (bspp)	½"
nitrogen outlet (bspp)	½"

(1) 100 psig inlet pressure
(2) correction factors apply

features

- reliable performance based on decades of experience with pressure swing adsorption technology
- 100% function and performance tested at our factory
- 2 year warranty
- significant cost savings over cylinder or liquid supply provides a return on investment of less than 24 months
- the compact design allows installation in space too small for twin tower generator systems
- eliminates the safety hazards of transporting and storing pressurized gas cylinders or liquid nitrogen
- lower air consumption and refined controls provide greater energy efficiency
- reduces carbon footprint by eliminating gas delivery to your facility

Experience. Customer. Service.

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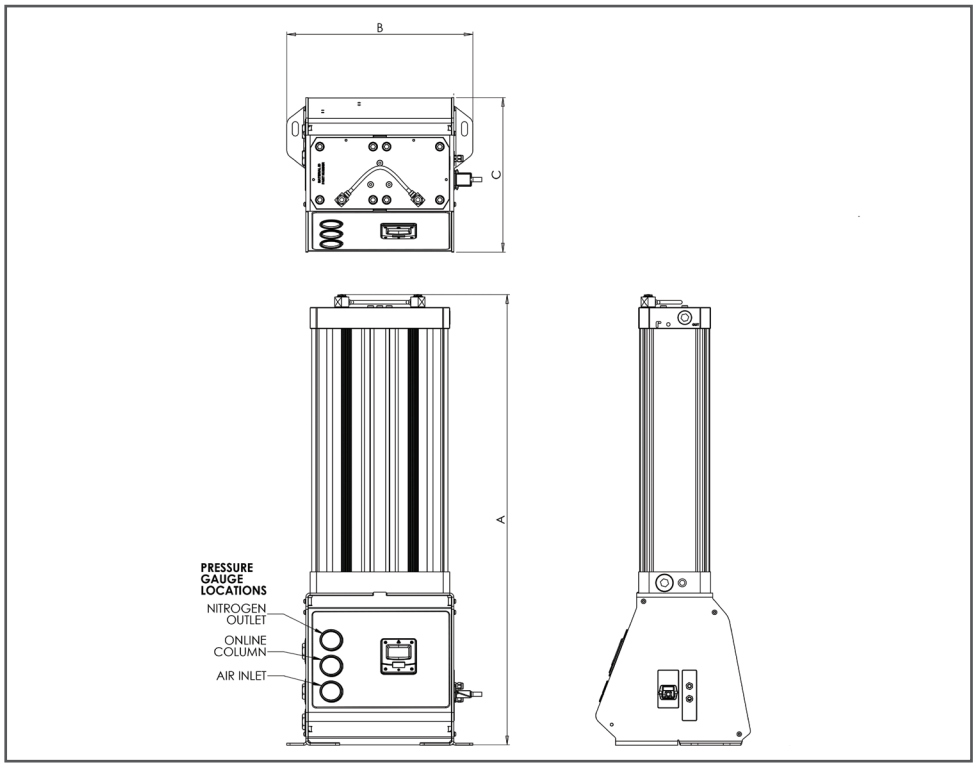
technical specification

dimensions & weight	
height in (mm)	42 (1064)
length in (mm)	17 (440)
depth in (mm)	14 (365)
weight lbs (kgs)	119 (54)



technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182

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