

# ECOGEN2 110

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%	332 / 205 / 89 <sup>(1)</sup>
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 <sup>(2)</sup>
maximum inlet temperature (°F)	122 <sup>(2)</sup>
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 nitrogen 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

nano-purification solutions  
 charlotte, north carolina  
 united states

nano-purification solutions  
 new bethlehem, pennsylvania  
 united states

nano-purification solutions  
 st. catharines, ontario  
 canada

nano-purification solutions  
 gateshead, tyne and wear  
 united kingdom

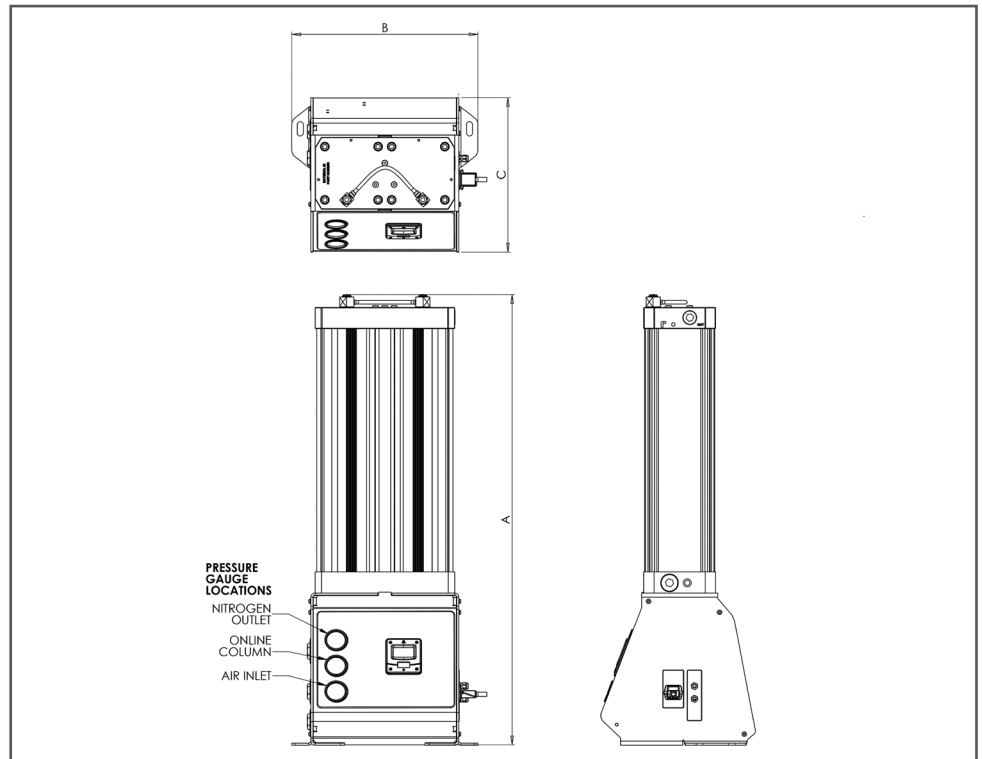
nano-purification solutions  
 erkelenz, germany

tel: 704.897.2182  
 fax: 704.897.2183  
 email: support@n-psi.com  
 web: www.n-psi.com

# technical specification

dimensions & weight

height in (mm)	54 (1389)
length in (mm)	17 (440)
depth in (mm)	14 (365)
weight lbs (kgs)	172 (78)



experience