nano VIN2: modular nitrogen gas generators

VIN2-110

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

The nano VIN2 nitrogen generator is designed and developed specific for wineries to deliver nitrogen gas at a specified purity, low-flow and pressure as required by the application. The nano VIN2 operates on the pressure swing adsorption principle, which allows for a continuous supply of nitrogen from clean dry compressed air. The nano VIN2 generator offers a cost-effective, reliable and safe alternative.

general characteristics	
rated capacity (scfh) @ 95% / 98% / 99.9%	332 / 205/ 89 (1)
absorbed power (watts)	38
power supply	100-240 VAC / 50 or 60 Hz or 24 DC (optional)
operating limits	
design operating pressure range (psig)	87 - 145
recommended operating temperature range (°F)	68 -77
minimum/maximum ambient temperature range (°F)	41 - 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
electrical rating	IP 54 / NEMA 3
connections	
compressed air inlet (bspp)	½"
nitrogen outlet to buffer vessel (bspp)	½"
nitrogen return from buffer vessel (bspp)	½"
nitrogen outlet (bspp)	½"

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

features

- compact plug and play system can be easily installed with minimal cost and requires only a compressed air system to start production
- applications include blanketing tanks, sparging, transferring and bottling product
- 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

nano-purification solutions llc
charlotte, north carolina
united states

nano-purification solutions penn
new bethlehem, pennsylvania
united states

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions ltd
gateshead, tyne and wear
united kingdom

nano-purification solutions GmbH
krefeld, germany

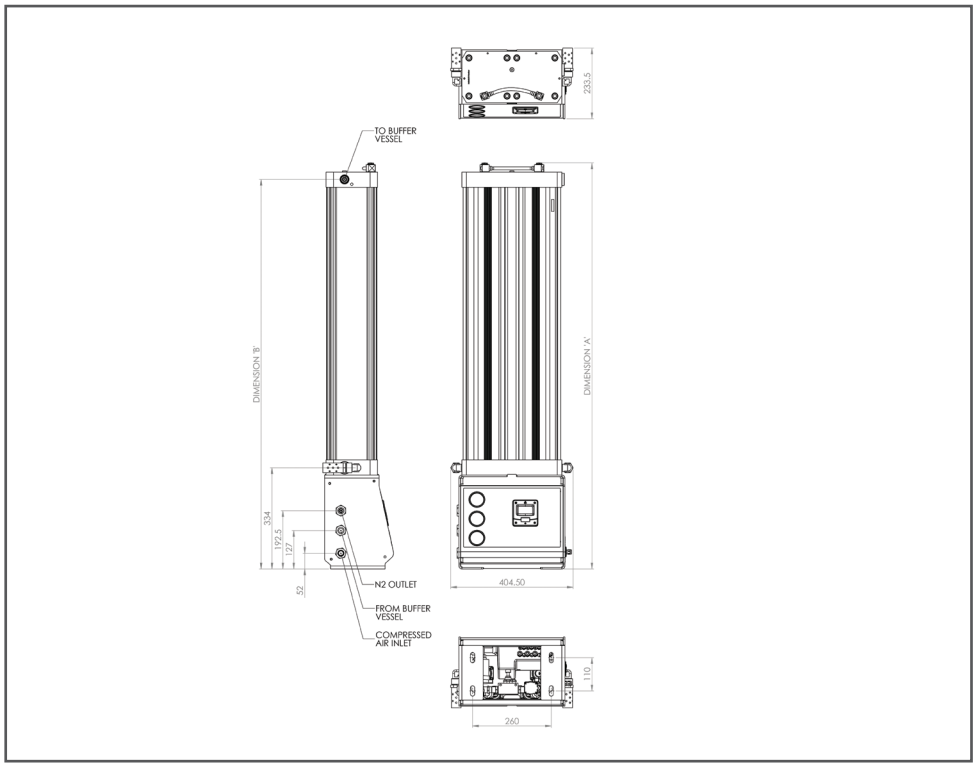
tel: 704.897.2182
fax: 704.897.2183
email: support@n-psi.com
web: www.n-psi.com

nano

experience

technical specification

dimensions & weight	
length in (mm)	15.8 (404.5)
depth in (mm)	9.3 (233.5)
height in (mm)	52.8 (1340)
weight lbs (kgs)	172 (78)



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

copyright PURIFICATION SOLUTIONS LLC
publication reference n-psi-VIN2-110-00-us