nano VIN2: modular nitrogen gas generators

VIN2-090

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%	208 / 131/ 49 (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

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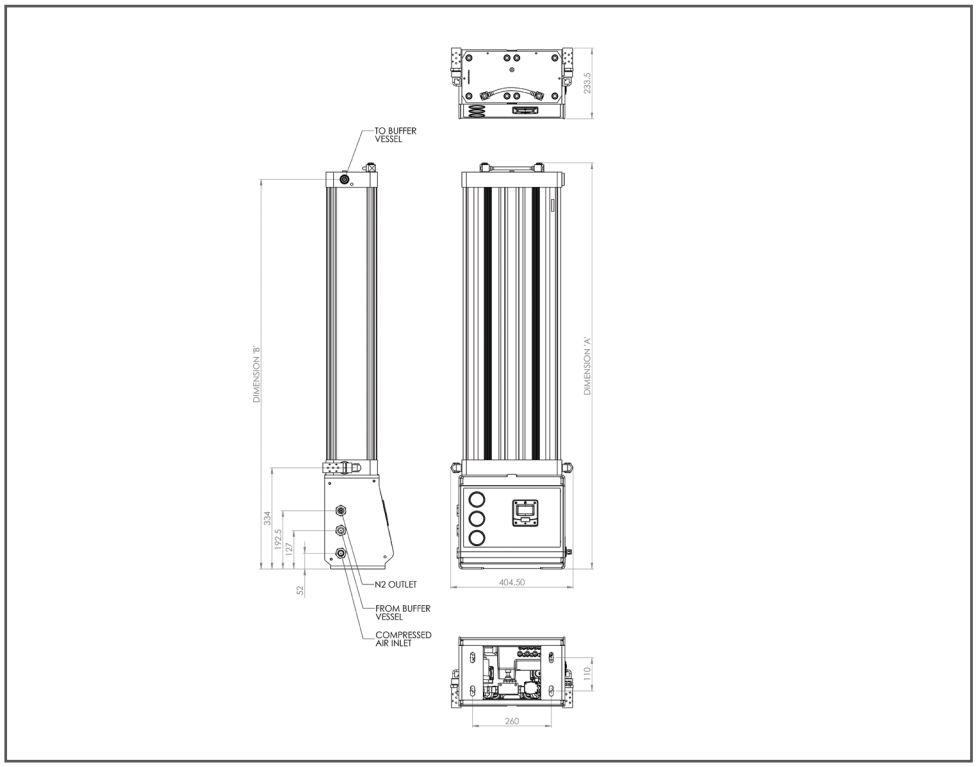
nano

experience

technical specification

dimensions & weight	
length in (mm)	15.8 (404.5)
depth in (mm)	9.3 (233.5)
height in (mm)	40 (1015)
weight lbs (kgs)	132 (59.5)



TEXAS WINE & GRAPE GROWERS ASSOCIATION

MEMBER OF CAGI Compressed Air & Gas Institute

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

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publication reference n-psi-VIN2-090-00-us