

# nitrogen gas generators for wine production

## FEATURES

- designed and developed specific for wineries
- significant cost savings per cylinder or liquid supply provides a typical return on investment of less than 24 months
- unique design and energy saving function offer significant advantages over delivered gas options as well as traditional generator designs
- compact plug and play system can be installed easily with minimal cost and requires only a compressed air system to start production
- 100% function and performance tested at our factory with a 2 year warranty
- lower air consumption and refined controls provide greater energy efficiency and reduces carbon footprint
- manufactured in an ISO 9001 approved facility
- applications include blanketing tanks, sparging, transferring and bottling product



### easy to install

the compact design allows installation in spaces too small for twin tower generator systems



### safe & reliable

eliminates the safety hazards of transporting and storing pressurized gas cylinders or liquid nitrogen



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  
krefeld, germany

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

## SPECIFICATIONS

generator model	rated outlet flow <sup>(1)</sup>	nitrogen purity at the outlet (maximum oxygen content)			
		99.9% (0.1%)	99.5% (0.5%)	99% (1%)	98% (2%)
VIN2 090	scfh	49.0	77.0	95.0	130.0
VIN2 110	scfh	84.0	120.0	151.0	204.0
VIN2 130	scfh	141.0	197.0	250.0	339.0

### specifications

design operating pressure range	87 - 145 psig (6 - 10 barg)
design operating temperature range	41 - 122°F (5 - 50°C)
maximum inlet particulate	0.1 micron
maximum inlet dew point	38°F (3°C) PDP <sup>(2)</sup>
maximum inlet oil content	0.01 ppm <sup>(3)</sup>
supply voltage	100 - 240 VAC (50 or 60Hz) or 24 VDC

### pressure correction factors<sup>(4)</sup>

operating pressure psig	90	100	115	130 -145
operating pressure barg	6	7	8	9 - 10
correction factor	0.90	1.00	1.10	1.20

### temperature correction factors<sup>(4)</sup>

inlet temperature °F	41	50	59	68	77	86	95	104	113	122
inlet temperature °C	5	10	15	20	25	30	35	40	45	50
correction factor	0.8	0.9	0.94	1.00	1.00	0.98	0.95	0.90	0.85	0.72

(1) at 100 psig (7 barg) inlet pressure and 68 - 77°F (20 - 25°C) inlet temperature. For outlet flow at all other conditions refer to the correction factors above or contact support@n-psi.com

(2) requires an upstream dryer. Contact nano for assistance selecting the optimum dryer for your application

(3) including oil vapor

(4) to be used as a rough guide only. All applications should be confirmed by nano. Contact nano for sizing assistance

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

