

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



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SPECIFICATIONS

| generator model | rated outlet flow ⁽¹⁾ | 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 ⁽²⁾ |
| maximum inlet oil content | 0.01 ppm ⁽³⁾ |
| supply voltage | 100 - 240 VAC (50 or 60Hz) or 24 VDC |

pressure correction factors⁽⁴⁾

| | | | | |
|-------------------------|------|------|------|----------|
| 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⁽⁴⁾

| | | | | | | | | | | |
|----------------------|-----|-----|------|------|------|------|------|------|------|------|
| 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

