

Ultra-High Purity

Modular Nitrogen Generators 95%
to 99.9995% Purity N Series

Continuous source of high-
purity on-site nitrogen gas –
reduce costs considerably

Nitrogen generators begin with clean, dry compressed air to create a continuous supply of high purity nitrogen. Generating nitrogen in-house is a cost-effective and reliable alternative to the use of cylinder or liquid nitrogen across a wide range of applications. These traditional methods of gas supply often deliver hidden costs such as rental fees, refill and delivery surcharges, order processing charges as well as environmental fees.

Gardner Denver nitrogen
generators are available in
3 variations – Standard, SEP
and MultiSEP

Capacities range from 1 up to 1150 Nm³/hour from 95% to 99.9995% purity. Gardner Denver PSA generators are designed for 24/7 operation. The touchscreen control has user-friendly interface with automatic start/stop function based on gas consumption. Our SEP and MultiSEP series have spring loaded columns which prevent the molecular sieve against a crushing effect.



The unique design provides consistent high flow rates of nitrogen with a minimum footprint. Together with molecular sieve protection from moisture to substantially lower the cost and extend the generators.

The features are your benefits:

- **Robust Design** with stainless steel piping
- **Built-in purity analyser** for constant monitoring
- Vessels designed for **dynamic pressure loading**
- Intuitive **touch-screen control**
- **Remote start/stop** relay
- **Guaranteed performance** with Protect 10 warranty & remote monitoring
- **Rapid ROI** in typically less than 24 months
- **Easy to install** & environmentally-friendly
- Fits **any application**





| Model | | Purity | | | | | | | | | | | |
|---------------------------------|-------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|
| | | O ₂ N ₂ | 5.00% 95.00% | 3.00% 97.00% | 2.00% 98.00% | 1.00% 99.00% | 0.50% 99.50% | 0.10% 99.90% | 500ppm 99.95% | 100ppm 99.99% | 50ppm 99.995% | 10ppm 99.999% | 5ppm 99.9995% |
| Standard m ³ /min | N2 | | 0.22 | 0.19 | 0.16 | 0.12 | 0.10 | 0.08 | 0.07 | 0.05 | 0.04 | 0.03 | 0.02 |
| | N4 | | 0.44 | 0.38 | 0.31 | 0.24 | 0.21 | 0.16 | 0.14 | 0.10 | 0.08 | 0.06 | 0.04 |
| | N6 | | 0.66 | 0.56 | 0.47 | 0.37 | 0.32 | 0.24 | 0.21 | 0.16 | 0.11 | 0.09 | 0.06 |
| | N9 | | 0.99 | 0.84 | 0.70 | 0.55 | 0.49 | 0.36 | 0.31 | 0.24 | 0.18 | 0.12 | 0.10 |
| | N12 | | 1.31 | 1.12 | 0.93 | 0.73 | 0.65 | 0.48 | 0.42 | 0.31 | 0.23 | 0.17 | 0.12 |
| | N15 | | 1.65 | 1.40 | 1.16 | 0.91 | 0.81 | 0.60 | 0.53 | 0.40 | 0.30 | 0.20 | 0.16 |
| SEP m ³ /min | N20 | | 2.20 | 1.88 | 1.55 | 1.22 | 1.08 | 0.80 | 0.70 | 0.53 | 0.39 | 0.28 | 0.20 |
| | N27 | | 2.97 | 2.53 | 2.10 | 1.65 | 1.46 | 1.08 | 0.95 | 0.71 | 0.52 | 0.38 | 0.28 |
| | N35 | | 3.85 | 3.28 | 2.71 | 2.14 | 1.89 | 1.40 | 1.23 | 0.93 | 0.68 | 0.49 | 0.37 |
| | N50 | | 5.50 | 4.69 | 3.88 | 3.06 | 2.70 | 2.00 | 1.76 | 1.32 | 0.97 | 0.70 | 0.52 |
| | N65 | | 7.14 | 6.10 | 5.04 | 5.47 | 3.50 | 2.60 | 2.29 | 1.72 | 1.26 | 0.90 | 0.68 |
| | N80 | | 8.80 | 7.50 | 6.20 | 4.89 | 4.31 | 3.20 | 2.81 | 2.12 | 1.55 | 1.11 | 0.83 |
| | N100 | | 11.00 | 9.38 | 7.76 | 6.11 | 5.40 | 4.00 | 3.52 | 2.65 | 1.94 | 1.39 | 1.04 |
| | N125 | | 13.74 | 11.71 | 9.70 | 7.63 | 6.75 | 5.01 | 4.40 | 3.31 | 2.42 | 1.74 | 1.30 |
| | N150 | | 16.49 | 14.06 | 11.64 | 9.17 | 8.10 | 6.01 | 5.29 | 3.98 | 2.91 | 2.09 | 1.56 |
| MultiSEP m ³ /min | N80T | | 17.59 | 15.00 | 12.41 | 9.79 | 8.63 | 6.41 | 5.63 | 4.23 | 3.10 | 2.21 | 1.67 |
| | N100T | | 21.99 | 18.75 | 15.51 | 12.21 | 10.80 | 8.01 | 7.05 | 5.30 | 3.89 | 2.79 | 2.09 |
| | N125T | | 27.49 | 23.43 | 19.40 | 15.27 | 13.50 | 10.01 | 8.81 | 6.63 | 4.85 | 3.49 | 2.60 |
| | N150T | | 32.97 | 28.13 | 23.29 | 18.33 | 16.20 | 12.03 | 10.57 | 7.95 | 5.81 | 4.17 | 3.13 |
| | N3080 | | 26.39 | 22.50 | 18.61 | 14.67 | 12.95 | 9.61 | 8.45 | 6.37 | 4.65 | 3.33 | 2.50 |
| | N3100 | | 32.97 | 28.13 | 23.29 | 18.33 | 16.20 | 12.03 | 10.57 | 7.95 | 5.81 | 4.17 | 3.13 |
| | N3125 | | 41.21 | 35.15 | 29.10 | 22.91 | 20.25 | 15.03 | 13.21 | 9.93 | 7.27 | 5.21 | 3.91 |
| | N3150 | | 49.47 | 42.19 | 34.91 | 27.50 | 24.30 | 18.03 | 15.85 | 11.93 | 8.73 | 6.25 | 4.69 |
| | N4080 | | 35.17 | 30.00 | 24.83 | 19.55 | 17.29 | 12.83 | 11.29 | 8.49 | 6.20 | 4.45 | 3.33 |
| | N4100 | | 43.97 | 37.50 | 31.03 | 24.43 | 21.60 | 16.03 | 14.10 | 10.60 | 7.77 | 5.57 | 4.17 |
| | N4125 | | 54.65 | 46.89 | 38.80 | 30.55 | 27.00 | 20.05 | 17.61 | 13.25 | 9.70 | 6.95 | 5.21 |
| | N4150 | | 65.95 | 56.25 | 46.55 | 36.67 | 32.40 | 24.05 | 21.15 | 15.90 | 11.63 | 8.33 | 6.25 |
| | N5080 | | 43.97 | 37.50 | 31.03 | 24.43 | 21.60 | 16.03 | 14.10 | 10.60 | 7.77 | 5.57 | 4.17 |
| | N5100 | | 54.95 | 46.89 | 38.80 | 30.55 | 27.00 | 20.05 | 17.61 | 13.25 | 9.70 | 6.95 | 5.21 |
| | N5125 | | 68.70 | 58.60 | 48.49 | 38.19 | 33.75 | 25.05 | 22.01 | 16.57 | 12.11 | 8.69 | 6.51 |
| N5150 | | 82.43 | 70.31 | 58.19 | 45.81 | 40.49 | 30.07 | 26.43 | 19.89 | 14.55 | 10.43 | 7.81 | |

Performance based on 7 bar (g) inlet pressure.
Unit inlet air quality 1.4.1. according to ISO 8573-1:2010

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For additional information please contact
Gardner Denver or your local representative.

Specifications subject to change without notice.