

# PSA Nitrogen Generators

## MULTISEP Series

### The Premium Performance

The unique SEP design provides consistent high flow rates of nitrogen with a minimum footprint. Together with molecular sieve protection from moisture to substantially lower the service costs, extend the lifetime and provide savings by avoiding the replacement of the molecular sieve.



#### Standard Features

- ✓ Colour touch screen control
- ✓ Built in purity analyser for constant monitoring
- ✓ Modbus TCP, Ethernet connection
- ✓ Remote start/stop relay
- ✓ Data-logging via USB interface
- ✓ Mol sieve protection from moisture

#### Optional add-ons

- ✓ Flow control valve – flow & purity adjustment
- ✓ Energy saving valve – reduces compressed air usage during turn down
- ✓ Purity control – off spec purge
- ✓ Sequential start/stop – one button operation
- ✓ SMS alarm
- ✓ Remote monitoring
- ✓ Audio-visual alarm
- ✓ and others





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| Model | Nitrogen capacity |       |       |       |       |        |         |          |
|-------|-------------------|-------|-------|-------|-------|--------|---------|----------|
|       | 95.0%             | 98.0% | 99.0% | 99.5% | 99.9% | 99.99% | 99.999% | 99.9995% |
|       | m³/h              | m³/h  | m³/h  | m³/h  | m³/h  | m³/h   | m³/h    | m³/h     |
| N80T  | 1055              | 745   | 587   | 518   | 385   | 254    | 133     | 100      |
| N100T | 1319              | 931   | 733   | 648   | 481   | 318    | 167     | 125      |
| N125T | 1649              | 1164  | 916   | 810   | 601   | 398    | 209     | 156      |
| N150T | 1978              | 1397  | 1100  | 972   | 722   | 477    | 250     | 188      |
| N3080 | 1583              | 1117  | 880   | 777   | 577   | 382    | 200     | 150      |
| N3100 | 1978              | 1397  | 1100  | 972   | 722   | 477    | 250     | 188      |
| N3125 | 2473              | 1746  | 1375  | 1215  | 902   | 596    | 313     | 235      |
| N3150 | 2968              | 2095  | 1650  | 1458  | 1082  | 716    | 375     | 281      |
| N4080 | 2110              | 1490  | 1173  | 1037  | 770   | 509    | 267     | 200      |
| N4100 | 2638              | 1862  | 1466  | 1296  | 962   | 636    | 334     | 250      |
| N4125 | 3279              | 2328  | 1833  | 1620  | 1203  | 795    | 417     | 313      |
| N4150 | 3957              | 2793  | 2200  | 1944  | 1443  | 954    | 500     | 375      |
| N5080 | 2638              | 1862  | 1466  | 1296  | 962   | 636    | 334     | 250      |
| N5100 | 3297              | 2328  | 1833  | 1620  | 1203  | 795    | 417     | 313      |
| N5125 | 4122              | 2909  | 2291  | 2025  | 1503  | 994    | 521     | 391      |
| N5150 | 4946              | 3491  | 2749  | 2429  | 1804  | 1193   | 626     | 469      |

### Operating conditions

|                           |                               |
|---------------------------|-------------------------------|
| Ambient temperature range | 5°C to 50°C                   |
| Nitrogen outlet pressure  | 5 to 9 barG                   |
| Nitrogen dew point        | -50°C ( -70°C)                |
| Air inlet pressure        | 7.5 to 10barG                 |
| Inlet air quality         | ISO: 8573.1:2010 class 1.4.1. |
| Pressure dew point        | 3°C                           |
| Filtration grade          | 0.01 micron                   |
| Power supply              | 110-240V / 50-60Hz            |

### Notes

- Performance data is based on 7 barG inlet pressure and 20°C to 30°C ambient temperature.
- Flow stated in cubic meter (m3) is with reference conditions, Temperature: 20°C, Pressure: 1.013 barA.
- Conversion factor for m3 with reference conditions, Temperature: 0°C, Pressure: 1.013 barA is 0.8 m3/kg.
- Designs and specifications are subject to change without notice or obligation.

### Typical applications

- ✓ Electronics
- ✓ Food packaging
- ✓ Laser cutting
- ✓ Inerting
- ✓ Pharmaceuticals
- ✓ Plastics
- ✓ Tyre filling

### KEY Benefits

- ✓ Carbon sieve anti-crush design
- ✓ No channelling effect
- ✓ Minimized footprint
- ✓ Mol sieve protection
- ✓ Siemens based control system
- ✓ Stainless steel piping
- ✓ Designed for dynamic pressure loading

