

# 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



# PSA Nitrogen Generators

## MULTISEP Series

Model	Nitrogen capacity							
	95.0%	98.0%	99.0%	99.5%	99.9%	99.99%	99.999%	99.9995%
	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h	m <sup>3</sup> /h
<b>N80T</b>	1055	745	587	518	385	254	133	100
<b>N100T</b>	1319	931	733	648	481	318	167	125
<b>N125T</b>	1649	1164	916	810	601	398	209	156
<b>N150T</b>	1978	1397	1100	972	722	477	250	188
<b>N3080</b>	1583	1117	880	777	577	382	200	150
<b>N3100</b>	1978	1397	1100	972	722	477	250	188
<b>N3125</b>	2473	1746	1375	1215	902	596	313	235
<b>N3150</b>	2968	2095	1650	1458	1082	716	375	281
<b>N4080</b>	2110	1490	1173	1037	770	509	267	200
<b>N4100</b>	2638	1862	1466	1296	962	636	334	250
<b>N4125</b>	3279	2328	1833	1620	1203	795	417	313
<b>N4150</b>	3957	2793	2200	1944	1443	954	500	375
<b>N5080</b>	2638	1862	1466	1296	962	636	334	250
<b>N5100</b>	3297	2328	1833	1620	1203	795	417	313
<b>N5125</b>	4122	2909	2291	2025	1503	994	521	391
<b>N5150</b>	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 (m<sup>3</sup>) is with reference conditions, Temperature: 20°C, Pressure: 1.013 barA.

Conversion factor for m<sup>3</sup> with reference conditions, Temperature: 0°C, Pressure: 1.013 barA is 0.8 m<sup>3</sup>/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