

# PSA Nitrogen Generators SEP 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 cost and extend the generators.



### Standard Features

- ✓ Colour touch screen control
- ✓ Built in purity analyzer for constant monitoring
- ✓ Modbus TCP, Ethernet connection
- ✓ Remote start/stop relay
- ✓ Data-logging via USB interface

### 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										Dimensions	Weight
	95.0%	98.0%	99.0%	99.5%	99.9%	99.99%	99.999%	99.9995%	LxWxH			
	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	kg/h m <sup>3</sup> /h	cm	kg
<b>N20</b>	153.0 131.9	108.0 93.1	85.1 73.3	72.5 64.8	55.8 48.1	36.9 31.8	19.4 16.7	14.5 12.5	105x95x210		750	
<b>N27</b>	206.6 178.1	145.8 125.7	114.8 99.0	101.5 87.5	75.3 64.9	49.8 42.9	26.1 22.5	19.6 16.9	130x85x220		1000	
<b>N35</b>	267.8 230.8	189.0 162.9	148.8 128.3	131.5 113.4	97.7 84.2	64.6 55.7	33.9 29.2	25.4 21.9	135x95x220		1150	
<b>N50</b>	382.5 329.7	270.0 232.8	212.6 183.3	187.9 162.0	139.5 120.3	92.3 79.5	48.4 41.7	36.3 31.3	162x113x213		1800	
<b>N65</b>	497.3 428.7	351.0 302.6	276.4 238.3	244.2 210.5	181.4 156.3	119.9 103.4	62.9 54.2	47.2 40.7	181x113x225		2300	
<b>N80</b>	612.0 527.6	432.0 372.4	340.2 293.3	300.6 259.1	223.2 192.4	147.6 127.2	77.4 66.7	58.1 50.3	192x125x225		2800	
<b>N100</b>	765.0 659.5	540.0 465.5	425.3 366.6	375.8 323.9	279.0 240.5	184.5 159.1	96.8 83.4	72.6 62.6	205x140x265		3000	
<b>N125</b>	956.3 824.4	675.0 581.9	531.6 458.2	469.7 404.9	348.8 300.6	230.6 198.8	120.9 104.3	90.7 78.2	205x140x300		3300	
<b>N150</b>	1147 989.2	810.0 698.3	637.9 549.9	563.6 485.9	418.5 360.8	276.8 238.6	145.1 125.1	108.9 93.8	205x140x350		4000	

## 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
- ✓ 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