

PSA NITROGEN GENERATORS SEP SERIES



Models N20 to N50

Standard Features

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

The premium performance

The unique SEP design provides steady high flow rates of nitrogen with minimum footprint requirement. Together with molecular sieve protection from moisture substantially lower the cost and extends the lifetime.



Models N65 to N150

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 other

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KEY Benefits

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

Model		Nitrogen capacity								Dimensions (LxWxH) cm	Weight kg
		95%	98%	99%	99,5%	99,9%	99,99%	99,999%	99,9995%		
N20	kg/h	153,0	108,0	85,0	75,2	55,8	36,9	19,4	14,5	105x95x210	700
	m ³ /h	131,9	93,1	73,3	64,8	48,1	31,8	16,7	12,5		
N27	kg/h	206,6	145,8	114,8	101,5	75,3	49,8	26,1	19,6	115x90x226	850
	m ³ /h	178,1	125,7	99,0	87,5	64,9	42,9	22,5	16,9		
N35	kg/h	267,7	189,0	148,8	131,5	97,7	64,6	33,9	25,4	125x95x220	1100
	m ³ /h	230,8	162,9	128,3	113,4	84,2	55,7	29,2	21,9		
N50	kg/h	382,5	270,0	212,6	187,9	139,5	92,2	48,4	36,3	155x130x230	1350
	m ³ /h	329,7	232,8	183,3	162,0	120,3	79,5	41,7	31,3		
N65	kg/h	497,3	351,0	276,4	244,2	181,3	119,9	62,9	47,2	165x135x235	1800
	m ³ /h	428,7	302,6	238,3	210,5	156,3	103,4	54,2	40,7		
N80	kg/h	612,0	432,0	340,2	300,6	223,2	147,6	77,4	58,0	195x125x225	2100
	m ³ /h	527,6	372,4	293,3	259,1	192,4	127,2	66,7	50,0		
N100	kg/h	765,0	540,0	425,3	375,7	279,0	184,6	96,7	72,6	205x140x250	2500
	m ³ /h	659,5	465,5	366,6	323,9	240,5	159,1	83,4	62,6		
N125	kg/h	956,3	675,0	531,5	469,7	348,7	230,6	121,0	90,7	205x165x315	3000
	m ³ /h	824,4	581,9	458,2	404,9	300,6	198,8	104,3	78,2		
N150	kg/h	1 147,5	810,0	637,9	563,6	418,5	276,8	145,1	108,8	185x165x360	3500
	m ³ /h	989,2	698,3	549,9	485,9	360,8	238,6	125,1	93,8		

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 10 barG
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

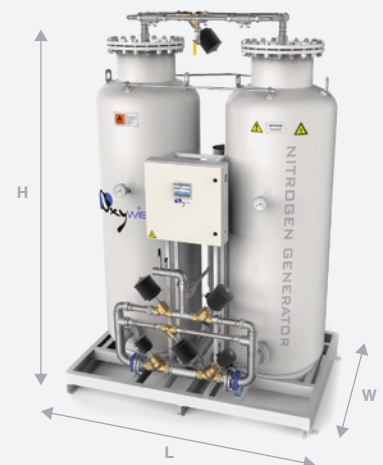
Notes

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
- Tire filling



www.oxywise.com
sales@oxywise.com