

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%
	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /h	m ³ /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