

PSA NITROGEN GENERATORS MULTI SEP SERIES

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 service costs, extends the lifetime and provides savings by avoiding the molecular sieve replacement.



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
- 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 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							
		95%	98%	99%	99.5%	99.9%	99.99%	99.999%	99.9995%
N80T	kg/h	1 224	864	681	601	447	296	154	116
	m ³ /h	1 055	745	587	518	385	255	133	100
N100T	kg/h	1 530	1 080	850	752	558	369	194	145
	m ³ /h	1 319	931	733	648	481	318	167	125
N125T	kg/h	1 913	1 350	1 064	940	697	462	242	181
	m ³ /h	1 649	1 164	917	810	601	398	209	156
N150T	kg/h	2 294	1 621	1 276	1 128	838	553	290	218
	m ³ /h	1 978	1 397	1 100	972	722	477	250	188
N3080	kg/h	1 836	1 296	1 021	901	669	443	232	174
	m ³ /h	1 583	1 117	880	777	577	382	200	150
N3100	kg/h	2 296	1 621	1 276	1 128	838	553	290	218
	m ³ /h	1 979	1 397	1 100	972	722	477	250	188
N3125	kg/h	2 869	2 025	1 595	1 409	1 046	691	363	273
	m ³ /h	2 473	1 746	1 375	1 215	902	596	313	235
N3150	kg/h	3 443	2 430	1 914	1 691	1 255	831	435	327
	m ³ /h	2 968	2 095	1 650	1 458	1 082	716	375	282
N4080	kg/h	2 448	1 728	1 361	1 203	893	590	310	232
	m ³ /h	2 110	1 490	1 173	1 037	770	509	267	200
N4100	kg/h	3 060	2 160	1 701	1 503	1 116	738	387	290
	m ³ /h	2 638	1 862	1 466	1 296	962	636	334	250
N4125	kg/h	3 825	2 700	2 126	1 879	1 395	922	484	363
	m ³ /h	3 297	2 328	1 833	1 620	1 203	795	417	313
N4150	kg/h	4 590	3 240	2 552	2 255	1 674	1 107	580	435
	m ³ /h	3 957	2 793	2 200	1 944	1 443	954	500	375
N5080	kg/h	3 060	2 160	1 702	1 503	1 116	738	387	290
	m ³ /h	2 638	1 862	1 467	1 296	962	636	334	250
N5100	kg/h	3 826	2 700	2 126	1 879	1 395	922	484	363
	m ³ /h	3 298	2 328	1 833	1 620	1 203	795	417	313
N5125	kg/h	4 782	3 376	2 658	2 349	1 743	1 153	604	454
	m ³ /h	4 122	2 910	2 291	2 025	1 503	994	521	391
N5150	kg/h	5 737	4 051	3 190	2 819	2 093	1 384	726	544
	m ³ /h	4 946	3 492	2 750	2 430	1 804	1 193	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 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	110-240 V / 50-60 Hz



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



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