CompAir

SUSTAINABLE MANUFACTURING

Ultra-High Purity

Nitrogen Generators

95% to 99.9995% **Purity**

N Series

Continuous source of high-purity on-site nitrogen gas – reduce costs considerably.
Nitrogen generators begin with clean, dry compressed air to create a continuous supply of high purity nitrogen. Generating nitrogen in-house is a cost-effective and reliable alternative to the use of cylinder or liquid nitrogen across a wide range of applications. These traditional methods of gas supply often deliver hidden costs such as rental fees, refill and delivery surcharges, order processing charges as well as environmental fees.

CompAir nitrogen generators are available in 3 variations – Standard, SEP and MultiSEP.
Capacities range from 0.02 up to 82 m^3/min from 95% to 99.9995% purity. CompAir PSA generators are designed for 24/7 operation. The touchscreen control has user-friendly interface with automatic start/stop function based on gas consumption. Our SEP and MultiSEP series have spring loaded columns which prevent the molecular sieve against a crushing effect.

The unique 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.

The features are your benefits:

- **Robust Design** with stainless steel piping
- **Built-in purity analyser** for constant monitoring
- Vessels designed for **dynamic pressure loading**
- Intuitive **touch-screen control**
- **Remote start/stop** relay
- **Guaranteed performance** with ASSURE warranty & remote monitoring
- **Rapid ROI** in typically less than 24 months
- **Easy to install** & environmentally-friendly
- Fits **any application**

Model		Purity										
		O_2 / N_2	5.00% 95.00%	3.00% 97.00%	2.00% 98.00%	1.00% 99.00%	0.50% 99.50%	0.10% 99.90%	500ppm 99.95%	100ppm 99.99%	50ppm 99.995%	10ppm 99.999%	5ppm 99.9995%
Standard m³/min	N2		0.22	0.19	0.16	0.12	0.10	0.08	0.07	0.05	0.04	0.03	0.02
	N4		0.44	0.38	0.31	0.24	0.21	0.16	0.14	0.10	0.08	0.06	0.04
	N6		0.66	0.56	0.47	0.37	0.32	0.24	0.21	0.16	0.11	0.09	0.06
	N9		0.99	0.84	0.70	0.55	0.49	0.36	0.31	0.24	0.18	0.12	0.10
	N12		1.31	1.12	0.93	0.73	0.65	0.48	0.42	0.31	0.23	0.17	0.12
	N15		1.65	1.40	1.16	0.91	0.81	0.60	0.53	0.40	0.30	0.20	0.16
SEP m³/min	N20		2.20	1.88	1.55	1.22	1.08	0.80	0.70	0.53	0.39	0.28	0.20
	N27		2.97	2.53	2.10	1.65	1.46	1.08	0.95	0.71	0.52	0.38	0.28
	N35		3.85	3.28	2.71	2.14	1.89	1.40	1.23	0.93	0.68	0.49	0.37
	N50		5.50	4.69	3.88	3.06	2.70	2.00	1.76	1.32	0.97	0.70	0.52
	N65		7.14	6.10	5.04	5.47	3.50	2.60	2.29	1.72	1.26	0.90	0.68
	N80		8.80	7.50	6.20	4.89	4.31	3.20	2.81	2.12	1.55	1.11	0.83
	N100		11.00	9.38	7.76	6.11	5.40	4.00	3.52	2.65	1.94	1.39	1.04
	N125		13.74	11.71	9.70	7.63	6.75	5.01	4.40	3.31	2.42	1.74	1.30
	N150		16.49	14.06	11.64	9.17	8.10	6.01	5.29	3.98	2.91	2.09	1.56
MultiSEP m³/min	N80T		17.59	15.00	12.41	9.79	8.63	6.41	5.63	4.23	3.10	2.21	1.67
	N100T		21.99	18.75	15.51	12.21	10.80	8.01	7.05	5.30	3.89	2.79	2.09
	N125T		27.49	23.43	19.40	15.27	13.50	10.01	8.81	6.63	4.85	3.49	2.60
	N150T		32.97	28.13	23.29	18.33	16.20	12.03	10.57	7.95	5.81	4.17	3.13
	N3080		26.39	22.50	18.61	14.67	12.95	9.61	8.45	6.37	4.65	3.33	2.50
	N3100		32.97	28.13	23.29	18.33	16.20	12.03	10.57	7.95	5.81	4.17	3.13
	N3125		41.21	35.15	29.10	22.91	20.25	15.03	13.21	9.93	7.27	5.21	3.91
	N3150		49.47	42.19	34.91	27.50	24.30	18.03	15.85	11.93	8.73	6.25	4.69
	N4080		35.17	30.00	24.83	19.55	17.29	12.83	11.29	8.49	6.20	4.45	3.33
	N4100		43.97	37.50	31.03	24.43	21.60	16.03	14.10	10.60	7.77	5.57	4.17
	N4125		54.65	46.89	38.80	30.55	27.00	20.05	17.61	13.25	9.70	6.95	5.21
	N4150		65.95	56.25	46.55	36.67	32.40	24.05	21.15	15.90	11.63	8.33	6.25
	N5080		43.97	37.50	31.03	24.43	21.60	16.03	14.10	10.60	7.77	5.57	4.17
	N5100		54.95	46.89	38.80	30.55	27.00	20.05	17.61	13.25	9.70	6.95	5.21
	N5125		68.70	58.60	48.49	38.19	33.75	25.05	22.01	16.57	12.11	8.69	6.51
	N5150		82.43	70.31	58.19	45.81	40.49	30.07	26.43	19.89	14.55	10.43	7.81

Performance based on 5 bar (g) generator inlet pressure.
Required inlet air quality 1.4.1. according to ISO 8573-1:2010