

Oxymat® introduces the compact Nitromat™ x4 series

- Nitrogen produced from 95 to 99,995% purity
- Compact units with ultra high flow
- Intelligent 'no production stop' implemented

Nitromat™ x4 represent today's state of the art PSA technology

x4



Technical overview

Nitromat™ x4 compact Nitrogen Generator

The x4 introduce a new concept in PSA – Pressure Swing Absorption Nitrogen Generators. The key to the success is to multiply the units with 4 and by intelligent control; you gain more advantages comparing with any standard PSA systems like:

- Dramatically reduced space requirements
- Extra reliable production with 4 units giving each 25%
- Flexible loads possible, all controlled from the bridge

Nitromat™ x4 Programme		5000 ppm							50 ppm	
		Purity %								
Model		95	97	98	99	99,5	99,9	99,99	99,995	
N 040	N2 Nm3/h	21,40	17,72	15,52	12,00	9,60	6,00	3,20	1,40	
	Air Nm3/min	0,72	0,64	0,64	0,52	0,48	0,40	0,28	0,25	
N 075	N2 Nm3/Hour	40,80	32,88	30,00	22,08	19,20	12,00	4,80	2,40	
	Air Nm3/min	1,36	1,20	1,20	0,96	0,96	0,80	0,44	0,40	
N 150	N2 Nm3/Hour	79,20	64,80	60,00	48,00	36,00	24,00	12,00	6,00	
	Air Nm3/min	2,68	2,40	2,40	2,20	1,80	1,60	1,20	1,08	
N 350	N2 Nm3/Hour	187,20	156,00	135,60	108,00	84,00	48,00	24,00	12,00	
	Air Nm3/min	6,24	5,72	5,44	4,68	4,40	3,16	2,40	2,20	
N 600	N2 Nm3/Hour	320,00	266,00	242,80	177,20	144,00	88,40	44,40	22,00	
	Air Nm3/min	10,72	9,76	9,76	7,72	7,20	5,92	4,08	3,68	
N 800	N2 Nm3/Hour	447,20	360,00	324,00	240,00	192,00	115,20	62,40	27,60	
	Air Nm3/min	14,80	13,20	13,04	10,72	9,60	7,68	5,72	4,60	
N 1000	N2 Nm3/Hour	536,00	444,00	374,40	295,20	240,00	147,60	73,92	36,72	
	Air Nm3/min	18,00	16,40	15,08	12,80	12,00	9,84	6,76	6,16	
N 1500	N2 Nm3/Hour	804,00	664,00	558,00	444,00	360,00	220,08	110,40	55,20	
	Air Nm3/min	26,80	24,40	22,32	19,20	18,00	14,80	10,16	9,24	
N 1850	N2 Nm3/Hour	992,00	820,00	716,00	548,00	444,00	272,00	136,40	68,40	
	Air Nm3/min	33,20	30,00	28,80	23,68	22,20	18,20	12,52	11,40	
N 2650	N2 Nm3/Hour	1420,00	1176,00	1028,00	784,00	636,00	392,00	195,60	98,00	
	Air Nm3/min	47,20	43,20	41,20	34,00	31,80	26,08	17,92	16,32	
N 3150	N2 Nm3/Hour	1684,00	1396,00	1220,00	932,00	756,00	464,00	232,00	116,40	
	Air Nm3/min	56,40	51,20	48,80	40,40	37,80	31,00	21,32	19,40	
N 4500	N2 Nm3/Hour	2400,00	1992,00	1744,00	1328,00	1080,00	664,00	332,00	166,00	
	Air Nm3/min	80,40	73,20	69,60	57,60	54,00	44,40	30,40	27,60	
N 6500	N2 Nm3/Hour	3480,00	2880,00	2520,00	1920,00	1560,00	960,00	480,00	240,00	
	Air Nm3/min	116,00	105,60	100,80	83,20	78,00	64,00	44,00	40,00	
N 10000	N2 Nm3/Hour	5220,00	4320,00	3780,00	2880,00	2400,00	1440,00	720,00	360,00	
	Air Nm3/min	174,00	158,40	151,20	124,80	120,00	96,00	66,00	60,00	

For purity up to 99,5 % : 7-8 bar(g) pressure, filtration grade 0,01 micron, dewpoint + 3 C or lower.

For purity from 99,9 % and higher : as above but dewpoint - 20 C or lower.

The Nitromat™ x4 makes shipping more easily. Cargo change, nitrogen padding, cargo protection etc. are all in your hand. Wasting time is history!

We deliver according to requested Class and Zone for Offshore, Chemical / Gas Tankers and also your ships, whenever nitrogen is in demand.