

PSA NITROGEN GENERATOR MODELS MODULAR SERIES

Purity - O ₂	Capacity - Nm ³ /h			
	NGS 22	NGS 44	NGS 66	NGS 88
0,001	2,2	4,4	6,6	8,8
0,005	2,9	5,8	8,7	11,5
0,01	3,5	7,0	10,5	13,9
0,05	4,8	9,6	14,4	19,1
0,1	5,7	11,4	17,0	22,5
0,5	8,3	16,5	24,6	32,7
1	10,0	19,8	29,6	39,3
2	12,2	24,3	36,3	48,1
3	13,1	26,1	39,0	51,8

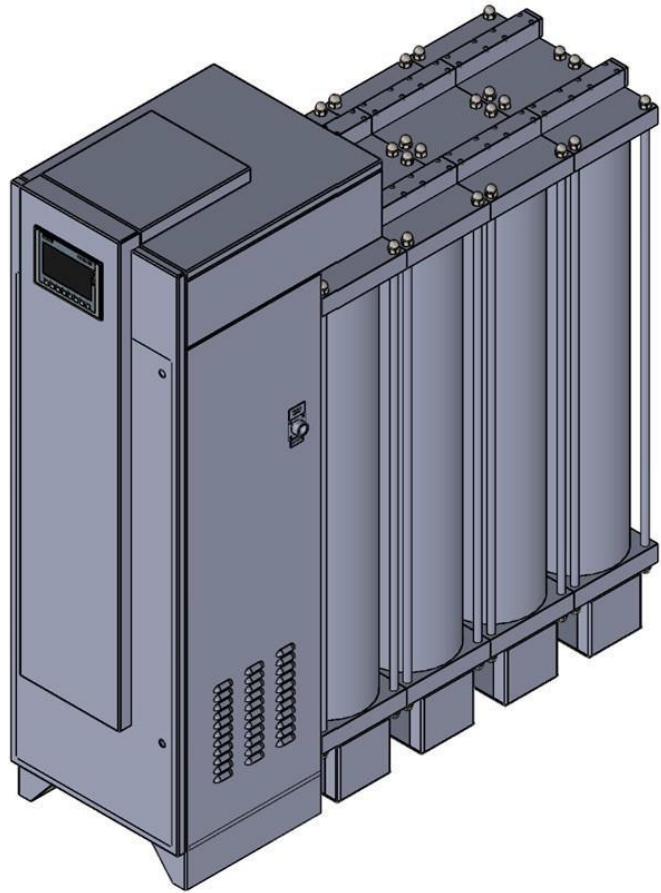
Feed Air Pressure = 7.5 bar (g)

Purity - O ₂	Capacity - Nm ³ /h			
	NGS 110	NGS 132	NGS 154	NGS 176
0,001	10,9	13,0	15,1	17,2
0,005	14,4	17,2	20,1	22,9
0,01	17,3	20,7	24,3	27,7
0,05	23,8	29,4	33,0	37,5
0,1	28,1	34,5	38,9	44,3
0,5	40,7	48,6	56,4	64,2
1	48,9	58,4	67,8	77,1
2	59,9	71,5	83,1	94,5
3	64,5	77,0	89,4	101,7

Feed Air Pressure = 7.5 bar (g)

Purity - O ₂	Capacity - Nm ³ /h							
	NGS 22	NGS 44	NGS 66	NGS 88	NGS 110	NGS 132	NGS 154	NGS 176
0,001	2,6	5,2	7,8	10,4	12,9	15,4	17,9	20,3
0,005	3,5	7,0	10,4	13,8	17,2	20,6	23,9	27,2
0,01	4,2	8,3	12,4	16,5	21,5	25,6	29,8	33,9
0,05	5,9	11,8	17,7	24,6	30,6	36,6	42,5	48,3
0,1	7,0	14,0	20,9	28,2	35,0	41,9	48,6	55,3
0,5	10,1	20,1	30,0	39,8	49,5	59,1	68,7	78,1
1	11,6	23,0	34,3	45,6	56,7	67,8	78,7	89,5
2	14,3	28,4	42,5	56,4	70,1	83,8	97,3	110,7
3	15,4	30,7	45,9	60,9	75,7	90,5	105,1	119,5

Feed Air Pressure = 10.0 bar (g)



Definition of Nm³ based on reference conditions 20 °C, 101,325 kPa(a) and dry basis.

Indicated flow rates are valid for operation of the generator at atmospheric conditions 20 °C / 60 °F, 1013 mbar / 14,7 psi and 60% RH –

Min feed air quality : ISO 8573-1.4.1 for %0,01 to %3 oxygen purity. Min feed air quality : ISO 8573-1.2.1 for %0,001 to %0,005 oxygen purity.

Installation Requirements

Well ventilated and weather protected environment with ambient temperatures between +10 °C and +20 °C . Classified areas excluded.

The purchaser is to be responsible for the following in particular;

For correct operating conditions such as room-space, temperature, room-space ventilation, electrical power supply, correct condensate discharge, possible supply and removal of cooling water, compressed air provision, erection and installation of system and accessories, compliance with official regulation, etc.

The protection of gas generating plant and equipment against gas consumptions higher than its specified hourly output flow;

The protection of persons, plant and equipment against escaping gas, fire, explosion etc., in cases of defects;

The correct and safe extraction of gases, which might escape from compressor's and gas generating plant's safety valves in cases of disruption.



PSA NITROGEN GENERATOR MODELS
TWIN TOWER TMG - SERIES

Purity - O ₂	Capacity - Nm ³ /h			
	TMG 22	TMG 44	TMG 66	TMG 88
0,001	2,2	4,4	6,6	8,8
0,005	2,9	5,8	8,7	11,5
0,01	3,5	7,0	10,5	13,9
0,05	4,8	9,6	14,4	19,1
0,1	5,7	11,4	17,0	22,5
0,5	8,3	16,5	24,6	32,7
1	10,0	19,8	29,6	39,3
2	12,2	24,3	36,3	48,1
3	13,1	26,1	39,0	51,8

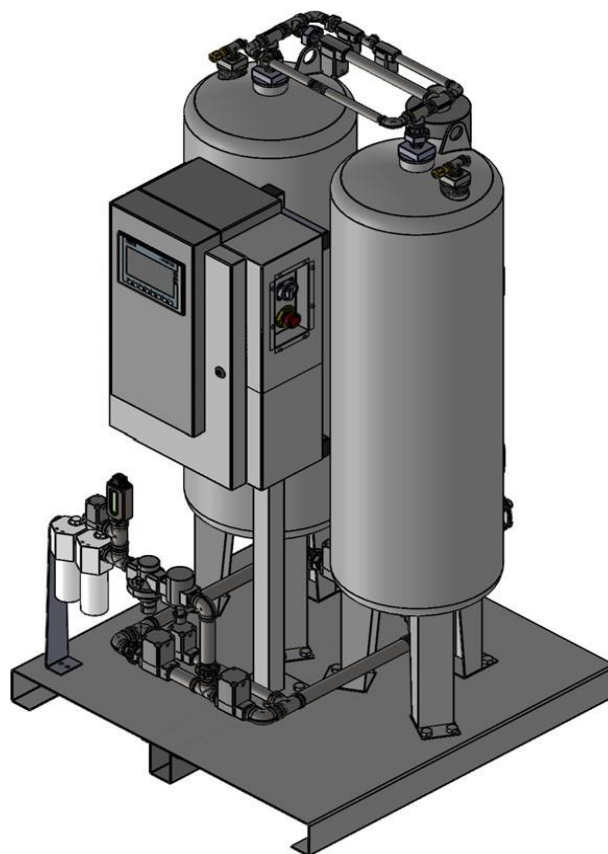
Feed Air Pressure = 7.5 bar (g)

Purity - O ₂	Capacity - Nm ³ /h			
	TMG 110	TMG 132	TMG 154	TMG 176
0,001	10,9	13,0	15,1	17,2
0,005	14,4	17,2	20,1	22,9
0,01	17,3	20,7	24,3	27,7
0,05	23,8	29,4	33,0	37,5
0,1	28,1	34,5	38,9	44,3
0,5	40,7	48,6	56,4	64,2
1	48,9	58,4	67,8	77,1
2	59,9	71,5	83,1	94,5
3	64,5	77,0	89,4	101,7

Feed Air Pressure = 7.5 bar (g)

Purity - O ₂	Capacity - Nm ³ /h							
	TMG 22	TMG 44	TMG 66	TMG 88	TMG 110	TMG 132	TMG 154	TMG 176
0,001	2,6	5,2	7,8	10,4	12,9	15,4	17,9	20,3
0,005	3,5	7,0	10,4	13,8	17,2	20,6	23,9	27,2
0,01	4,2	8,3	12,4	16,5	21,5	25,6	29,8	33,9
0,05	5,9	11,8	17,7	24,6	30,6	36,6	42,5	48,3
0,1	7,0	14,0	20,9	28,2	35,0	41,9	48,6	55,3
0,5	10,1	20,1	30,0	39,8	49,5	59,1	68,7	78,1
1	11,6	23,0	34,3	45,6	56,7	67,8	78,7	89,5
2	14,3	28,4	42,5	56,4	70,1	83,8	97,3	110,7
3	15,4	30,7	45,9	60,9	75,7	90,5	105,1	119,5

Feed Air Pressure = 10.0 bar (g)



Definition of Nm³ based on reference conditions 20 °C, 101,325 kPa(a) and dry basis.

Indicated flow rates are valid for operation of the generator at atmospheric conditions 20 °C / 60 °F, 1013 mbar / 14,7 psi and 60% RH –
 Min feed air quality : ISO 8573-1.4.1 for %0,01 to %3 oxygen purity. Min feed air quality : ISO 8573-1.2.1 for %0,001 to %0,005 oxygen purity.

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PSA NITROGEN GENERATOR MODELS TWIN TOWER TGS - SERIES

Purity - O ₂	Capacity - Nm ³ /h			
	TGS 230	TGS 370	TGS 550	TGS 730
0,001	23	35	56	72
0,01	46	67	111	136
0,1	74	116	184	210
0,5	121	187	287	387
1	148	236	341	460
2	183	298	439	598
3	215	344	515	687

Feed Air Pressure = 7.5 bar (g)

Purity - O ₂	Capacity - Nm ³ /h		
	TGS 1100	TGS 1460	TGS 2930
0,001	114	146	290
0,01	226	291	579
0,1	370	480	957
0,5	580	770	1,520
1	695	920	1,830
2	886	1,198	2,390
3	1,038	1,382	2,762

Feed Air Pressure = 7.5 bar (g)

Purity - O ₂	Capacity - Nm ³ /h						
	TGS 230	TGS 370	TGS 550	TGS 730	TGS 1100	TGS 1460	TGS 2930
0,001	31	46	70	93	139	199	370
0,01	60	89	134	177	286	383	711
0,1	90	144	215	287	448	598	1,194
0,5	174	277	416	554	826	1,101	2,200
1	243	373	559	746	1,052	1,400	2,800
2	311	498	745	995	1,288	1,719	3,432
3	329	525	789	1,052	1,449	1,937	3,864

Feed Air Pressure = 10 bar (g)

Definition of Nm³ based on reference conditions 20 °C, 101,325 kPa(a) and dry basis.

Indicated flow rates are valid for operation of the generator at atmospheric conditions 20 °C / 60 °F, 1013 mbar / 14,7 psi and 60% RH

Min feed air quality : ISO 8573-1.4.1 for %0,01 to %3 oxygen purity. Min feed air quality : ISO 8573-1.2.1 for %0,001 to %0,005 oxygen purity.

Installation Requirements

Well ventilated and weather protected environment with ambient temperatures between +10 °C and +20 °C . Classified areas excluded.

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