

PSA NITROGEN GENERATOR MODELS MODULAR SERIES

Purity - O2	Capacity - Nm3/h			
	NGS 22	NGS 44	NGS 66	NGS 88
0,001	2,2	4,4	6,6	8,7
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 - O2	Capacity - Nm3/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 - O2	Capacity - Nm3/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

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.

