

Nitrogen Generator



Pneumatech is a global leader in the quality air business with more than 50 years in the nitrogen business. The Pneumatech brand is associated with quality and high level of innovation.

The Pneumatech nitrogen generator is a newly developed product to fit the increased demand for nitrogen supply at our customer's site. In order to safeguard the environment from the unnecessary transport of gas tubes and obtain a flexible supply of nitrogen, many companies switch to on-site gas generators. The most cost effective, long-term solution to provide nitrogen is installing an on-site gas generator.



PPNG 6 - 68 S

Design Standards	PPNG 6 - 68 S
Technology	PSA
Model Type	Extruded Towers
Ambient Temp Min/Max	5-60 °C / 41-140°F
Pressure range	4-13 bar / 60-189 PSI
Voltages	115-230V
Frequency	50-60 Hz
Required Inlet Dewpoint	3°C / 37°F
Outlet Pressure Dew Point	-50°C / -58°F
Controller	Purelogic
Usage	Continues
Canopy Covered Towers	Yes
Common applications	Food & Beverage, Electronics, Injection Molding, Laboratories, Pharma, Chemical, Packaging and Transportation

Important features & benefits
Easy Access to inlet & outlet piping - Plug & Play philosophy
Flexible PSA technology - Set your desired purity (between 95-99,999%)
Inhouse designed controller - Enables full communication possibilities
Up to 13 bars air inlet pressure - No need of nitrogen booster for N2 up to 12,5 bars
Unique tower & valve design - Results in one of the lowest air factors on the market
Optimized design - Enables a minimum footprint in your factory
Optimized for easy service - Consumable parts are easy to access and replace
High quality carbon molecular sieve offers life time service interval and excellent performance in all conditions
Zirconia oxygen sensor - High quality product with 5 years service interval

Options	PPNG 6 - 68 S
Inlet PDP sensor - protection against too high inlet air pressure dew point	•
Flow meter - indication for the outlet flow produced	•
Seaworthy packaging - overseas transport	•

- ✓ Standard
- Optional



Technical data

Air Consumption (m3/h)									Free Air Delivery Nitrogen (Nm3/h)									AirFactor								
Purity %	97	98	99	99.5	99.9	99.95	99.99	99.999	97	98	99	99.5	99.9	99.95	99.99	99.999	97	98	99	99.5	99.9	99.95	99.99	99.999		
PPNG 6S	37.0	33.6	29.9	27.3	23.9	16.5	14.2	11.5	17.4	14.6	11.3	9.1	5.9	4.4	3.1	1.7	2.12	2.30	2.65	2.95	4.05	3.72	4.63	6.75		
PPNG 7S	47.6	43.3	38.4	35.1	30.8	21.2	18.3	14.8	22.4	18.8	14.5	11.7	7.6	5.7	3.9	2.2	2.12	2.30	2.65	2.95	4.05	3.72	4.63	6.75		
PPNG 9S	58.2	53.0	47.0	42.9	37.7	26.0	22.3	18.1	27.4	23.0	17.7	14.3	9.3	7.0	4.8	2.7	2.12	2.30	2.65	2.95	4.05	3.72	4.63	6.75		
PPNG 12S	73.9	67.3	59.7	54.5	47.9	33.0	28.4	22.9	34.9	29.3	22.5	18.2	11.8	8.9	6.1	3.4	2.12	2.30	2.65	2.95	4.05	3.72	4.63	6.75		
PPNG 15S	95.1	86.6	76.8	70.2	61.6	42.4	36.5	29.5	44.9	37.6	29.0	23.4	15.2	11.4	7.9	4.4	2.12	2.30	2.65	2.95	4.05	3.72	4.63	6.75		
PPNG 18S	116.4	105.9	94.0	85.8	75.3	51.9	44.7	36.1	54.9	46.0	35.5	28.6	18.6	14.0	9.7	5.3	2.12	2.30	2.65	2.95	4.05	3.72	4.63	6.75		
PPNG 22S	142.7	129.9	115.3	105.2	92.4	61.3	55.5	47.4	67.3	56.5	43.5	35.1	22.8	17.1	12.4	7.1	2.12	2.30	2.65	2.95	4.05	3.58	4.47	6.65		
PPNG 28S	174.5	158.9	141.0	128.7	113.0	74.9	67.8	58.0	82.3	69.1	53.2	42.9	27.9	20.9	15.2	8.7	2.12	2.30	2.65	2.95	4.05	3.58	4.47	6.65		
PPNG 30S	190.3	173.2	153.7	140.3	123.2	81.7	73.9	63.2	89.7	75.3	58.0	46.8	30.4	22.8	16.5	9.5	2.12	2.30	2.65	2.95	4.05	3.58	4.47	6.65		
PPNG 37S	232.7	211.8	188.0	171.6	150.7	99.9	90.4	77.3	109.8	92.1	70.9	57.2	37.2	27.9	20.2	11.6	2.12	2.30	2.65	2.95	4.05	3.58	4.47	6.65		
PPNG 41S	257.0	234.1	226.2	205.6	182.5	116.7	103.3	93.4	121.2	102.7	87.0	70.2	45.6	32.5	23.1	14.3	2.12	2.28	2.60	2.93	4.00	3.59	4.47	6.55		
PPNG 50S	314.3	286.3	276.6	251.4	223.3	142.8	126.3	114.2	148.3	125.6	106.4	85.8	55.8	39.8	28.3	17.4	2.12	2.28	2.60	2.93	4.00	3.59	4.47	6.55		
PPNG 63S	0.0	312.2	280.8	260.7	226.8	157.7	142.6	122.4	0.0	138.1	108.8	91.2	59.1	46.5	34.0	20.5	0.00	2.26	2.58	2.86	3.84	3.39	4.20	5.98		
PPNG 68S	0.0	0.0	328.9	305.3	258.6	190.4	168.4	152.3	0.0	0.0	126.5	104.2	64.7	53.0	37.7	23.3	0.00	0.00	2.60	2.93	4.00	3.59	4.47	6.55		

	Dimensions						Weight	
	mm			in			kg	lb
	L	W	H	L	W	H		
PPNG 6S	775	840	2022	30.5	33	79.3	244	537
PPNG 7S	775	840	2022	30.5	33	79.3	257	565
PPNG 9S	775	840	2022	30.5	33	79.3	270	594
PPNG 12S	775	840	2022	30.5	33	79.3	306	673
PPNG 15S	775	840	2022	30.5	33	79.3	339	746
PPNG 18S	775	840	2022	30.5	33	79.3	360	792
PPNG 22S	1400	840	2022	55.1	33	79.3	599	1318
PPNG 28S	1400	840	2022	55.1	33	79.3	627	1379
PPNG 30S	1400	840	2022	55.1	33	79.3	663	1459
PPNG 37S	1400	840	2022	55.1	33	79.3	716	1575
PPNG 41S	1422	840	2022	55.1	33	79.3	845	1859
PPNG 50S	1422	840	2022	55.1	33	79.3	1018	2240
PPNG 63S	1422	840	2022	55.1	33	79.3	1191	2620
PPNG 68S	1400	970	2022	55.1	38.2	79.3	1191	2620



Inputs (min/max)		
Maximum compressed air inlet temperature	60°C	140°F
Maximum ambient temperature	60°C	140°F
Minimum compressed air inlet temperature	5°C	41°F
Minimum ambient temperature	5°C	41°F
Minimum compressed air inlet pressure	4 barg	58 psig
Maximum compressed air inlet pressure	13 barg	189 psig

*Reference conditions	Metric	Imperial
Ambient temperature	20°C	68°F
Unit inlet temperature	20°C	68°F
Unit working pressure	7 barg	109 psig
Unit outlet nitrogen purity	99.5%	99.5%
Compressed air inlet quality	ISO8573-1 class 1-4-1	ISO8573-1 class 1-4-1

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