

Atlas Copco

Nitrogen generators PSA technology

NGP+ 8-130

Guaranteed nitrogen purity at the lowest energy cost

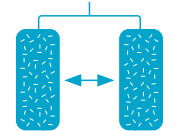
When your production requires high-quality nitrogen, there is no better solution than the Atlas Copco NGP+ 8-130. Our state-of-the-art PSA generator lets you produce your own, reliable supply of nitrogen with a purity of up to 99.999%. To ensure the integrity and continuity of your production, the NGP+ monitors the quality of your feed air and your gas output 24/7. It does this with superior efficiency to give you an industry-leading combination of peace of mind and the lowest cost of ownership.



best-in-class
efficiency

40% extra energy
savings

PSA inside



Cost savings

- On-site PSA gas generation with the lowest total cost of ownership.
- Minimal energy consumption per unit of N₂.
- Best-in-class adsorbent media utilization for maximum feed air efficiency, even in low-load conditions.



Hands-off performance

- Easy nitrogen purity selection via the controller for maximum operational savings.
- Continuous gas purity measurement protects your N₂ applications and products.
- Automated monitoring and routing of the feed air safeguard the integrity of the adsorbent.



Reliability

- Continuous supply of N₂ at a guaranteed purity.
- Self-protective design and operation ensure a long lifetime.
- In-house qualified valves for maximum uptime.
- Can be combined with a cylinder or bulk gas supply system.

The complete nitrogen generator

- Proven, modular design with extruded aluminum tubes ensures a compact footprint, reliable operation and a long lifetime.
- Fully automated for a superior performance:
 - Feed air check continuously monitors the feed air and blocks it from entering when its quality is below standard.
 - Nitrogen check ensures your N₂ output matches the selected purity.
 - VCS optimizes the PSA cycle during lower demand and in colder temperatures, giving you up to 40% additional energy savings.
 - Automatic start-up and stand-by mode allow for easy operation and avoid energy waste.
- Digital zirconia gas purity sensor, flow meter, and pressure regulator included as standard.
- Advanced Elektronikon® Touch controller with large HD color touchscreen offers easy gas purity selection, purity alarm, feed air monitoring and interception, and connectivity options.

Technical specifications

Type		Nitrogen capacity											Dimensions (W x D x H)		Weight	
		95%	96%	97%	98%	99%	99.5%	99.9%	99.95%	99.99%	99.995%	99.999%	mm	in	kg	lbs
NGP 8 ⁺	Nm ³ /h	18.2	16.1	14.1	12.0	9.6	8.1	5.7	4.3	3.1	2.8	1.9	775 x 840 x 2015	31 x 33 x 79	266	586
	Scfm	10.7	9.5	8.3	7.1	5.7	4.8	3.3	2.5	1.9	1.6	1.1				
NGP 10 ⁺	Nm ³ /h	23	21	18.1	15.5	12.4	10.4	7.3	5.5	4.0	3.6	2.5	775 x 840 x 2015	31 x 33 x 79	279	615
	Scfm	13.8	12.2	10.6	9.1	7.3	6.1	4.3	3.2	2.4	2.1	1.5				
NGP 12 ⁺	Nm ³ /h	29	25	22	18.9	15.2	12.7	8.9	6.7	4.9	4.4	3.0	775 x 840 x 2015	31 x 33 x 79	292	644
	Scfm	16.9	14.9	13.0	11.2	8.9	7.5	5.3	4.0	2.9	2.6	1.8				
NGP 15 ⁺	Nm ³ /h	36	32	28	24	19.3	16.2	11.3	8.5	6.3	5.5	3.8	775 x 840 x 2015	31 x 33 x 79	326	719
	Scfm	21	19.0	16.5	14.2	11.4	9.5	6.7	5.0	3.7	3.3	2.3				
NGP 20 ⁺	Nm ³ /h	47	41	36	31	25	21	14.6	11.0	8.1	7.1	4.9	775 x 840 x 2015	31 x 33 x 79	352	776
	Scfm	28	24	21	18.2	14.6	12.3	8.6	6.5	4.8	4.2	2.9				
NGP 25 ⁺	Nm ³ /h	57	51	44	38	30	25	17.9	13.4	9.9	8.7	6.0	775 x 840 x 2015	31 x 33 x 79	379	836
	Scfm	34	30	26	22	17.9	15.0	10.5	7.9	5.8	5.1	3.6				
NGP 30 ⁺	Nm ³ /h	70	62	54	46	37	31	22	16.5	12.1	11.0	8.0	1400 x 840 x 2015	55 x 33 x 79	608	1340
	Scfm	41	37	32	27	22	18.4	12.9	9.7	7.1	6.5	4.7				
NGP 35 ⁺	Nm ³ /h	86	76	66	57	46	38	27	20	14.8	13.4	9.7	1400 x 840 x 2015	55 x 33 x 79	648	1429
	Scfm	51	45	39	33	27	23	15.8	11.9	8.7	7.9	5.7				
NGP 40 ⁺	Nm ³ /h	94	83	72	62	50	42	29	22	16.2	14.6	10.6	1400 x 840 x 2015	55 x 33 x 79	681	1501
	Scfm	55	49	43	36	29	25	17.2	12.9	9.5	8.6	6.2				
NGP 50 ⁺	Nm ³ /h	115	101	89	76	61	51	36	27	19.8	17.9	13.0	1400 x 840 x 2015	55 x 33 x 79	734	1618
	Scfm	68	60	52	45	36	30	21	15.8	11.7	10.5	7.6				
NGP 60 ⁺	Nm ³ /h	129	115	99	86	68	57	41	33	24	22	15.9	1400 x 970 x 2015	55 x 38 x 79	764	1684
	Scfm	76	68	58	51	40	34	24	19.4	14.3	12.9	9.4				
NGP 70 ⁺	Nm ³ /h	158	141	122	105	83	70	50	40	30	27	19.5	1400 x 970 x 2015	55 x 38 x 79	1039	2291
	Scfm	93	83	72	62	49	41	29	24	17.5	15.8	11.5				
NGP 90 ⁺	Nm ³ /h	185	168	147	130	106	90	64	54	41	36	26	1421 x 970 x 2015	56 x 38 x 79	1140	2513
	Scfm	109	99	86	77	62	53	38	32	24	21	15.5				
NGP 105 ⁺	Nm ³ /h	211	193	168	147	120	102	73	62	46	41	30	1421 x 970 x 2015	56 x 38 x 79	1140	2513
	Scfm	124	113	99	87	71	60	43	36	27	24	17.5				
NGP 130 ⁺	Nm ³ /h	264	241	210	184	150	128	91	77	58	51	37	1421 x 970 x 2015	56 x 38 x 79	1560	3439
	Scfm	156	142	124	108	88	75	54	45	34	30	22				

Performance reference conditions:

- Compressed air effective inlet pressure: 7 bar(g)/102 psi(g)
- Ambient/inlet air temperature: 20°C/68°F
- Inlet air quality [1:4:1] according to ISO 8573-1:2010

Flow unit reference conditions:

- Nm³/h: 20°C – 1 bar(a) – 0% RH
- Scfm: 68°F – 14.5 psi(a) – 0% RH

General notes:

- Nitrogen purity expressed as 100% minus oxygen content
- Nitrogen capacity can vary up to +/- 5%
- Outlet nitrogen quality [1:2:1] according to ISO 8573-1:2010

Options

- Low ambient temperature settings (-10°C/14°F)
- Nitrogen quality (PDP) monitoring
- Ultra-low nitrogen PDP (-70°C/-94°F)
- Room oxygen alarm (wall mount)