

Best-in-class efficiency

40% Extra energy savings

PSA inside

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.

Cost savings

- On-site PSA gas generation with the lowest total cost of ownership.
- Minimal energy consumption per unit of N_2.
- 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 N_2 applications and products.
- Automated monitoring and routing of the feed air safeguard the integrity of the adsorbent.

Reliability

- Continuous supply of N_2 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 N_2 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 (L x W x H)		Weight	
		95%	96%	97%	98%	99%	99.5%	99.9%	99.95%	99.99%	99.995%	99.999%	mm	inch	kg	lbs
NGP 8+	Nm^3/h	18.2	16.1	14.1	12.0	9.6	8.1	5.7	5	4	3.4	2.7	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	3	2.4	2	1.6				
NGP 10+	Nm^3/h	23	21	18.1	15.5	12.4	10.4	7.3	6.3	5	4.3	3.4	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	3.7	3	2.5	2				
NGP 12+	Nm^3/h	29	25	22	18.9	15.2	12.7	8.9	7.6	6	5.2	4	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	4.4	3.5	3.1	2.4				
NGP 15+	Nm^3/h	36	32	28	24	19.3	16.2	11.3	10.1	8	6.9	5.5	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	5.9	4.7	4	3.2				
NGP 20+	Nm^3/h	47	41	36	31	25	21	14.6	12.7	10.1	8.6	6.7	775 x 840 x 2015	31 x 33 x 79	352	776
	Scfm	28	24	21	18.2	14.6	12.3	8.6	7.5	5.9	5	4				
NGP 25+	Nm^3/h	57	51	44	38	30	25	17.9	15.1	11.9	10.4	8	775 x 840 x 2015	31 x 33 x 79	379	836
	Scfm	34	30	26	22	17.9	15.0	10.5	8.9	7	6.1	4.7				
NGP 30+	Nm^3/h	70	62	54	46	37	31	22	19	15.1	12.9	10.1	1400 x 840 x 2015	55 x 33 x 79	608	1340
	Scfm	41	37	32	27	22	18.4	12.9	11.2	8.9	7.6	5.9				
NGP 35+	Nm^3/h	86	76	66	57	46	38	27	22.7	17.9	15.6	12	1400 x 840 x 2015	55 x 33 x 79	648	1429
	Scfm	51	45	39	33	27	23	15.8	13.3	10.5	9.2	7.1				
NGP 40+	Nm^3/h	94	83	72	62	50	42	29	25.3	20.1	17.2	13.4	1400 x 840 x 2015	55 x 33 x 79	681	1501
	Scfm	55	49	43	36	29	25	17.2	14.9	11.8	10.1	7.9				
NGP 50+	Nm^3/h	115	101	89	76	61	51	36	30.2	23.9	20.8	16	1400 x 840 x 2015	55 x 33 x 79	734	1618
	Scfm	68	60	52	45	36	30	21	17.8	14.1	12.3	9.4				
NGP 60+	Nm^3/h	129	115	99	86	68	57	41	38	30.2	25.7	20.2	1400 x 970 x 2015	55 x 33 x 79	764	1684
	Scfm	76	68	58	51	40	34	24	22.4	17.8	15.1	11.9				
NGP 70+	Nm^3/h	158	141	122	105	83	70	50	45.3	35.8	31.2	24	1400 x 970 x 2015	55 x 33 x 79	1039	2291
	Scfm	93	83	72	62	49	41	29	26.7	21.1	18.4	14.1				
NGP 90+	Nm^3/h	185	168	147	130	106	90	64	54.2	41.5	36	28.2	1421 x 970 x 2015	56 x 33 x 79	1140	2513
	Scfm	109	99	86	77	62	53	38	30.9	24.4	21.2	16.6				
NGP 105+	Nm^3/h	211	193	168	147	120	102	73	61.5	48.2	42	32.3	1421 x 970 x 2015	56 x 33 x 79	1140	2513
	Scfm	124	113	99	87	71	60	43	35.9	28.4	24.7	19				
NGP 130+	Nm^3/h	264	241	210	184	150	128	91	76.9	60.3	52.5	40.4	1421 x 970 x 2015	56 x 33 x 79	1560	3439
	Scfm	156	142	124	108	88	75	54	44.9	35.5	30.9	23.8				

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:
- Nm^3/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)

Atlas Copco

ISO 9001 • ISO 14001 OHSAS 18001

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