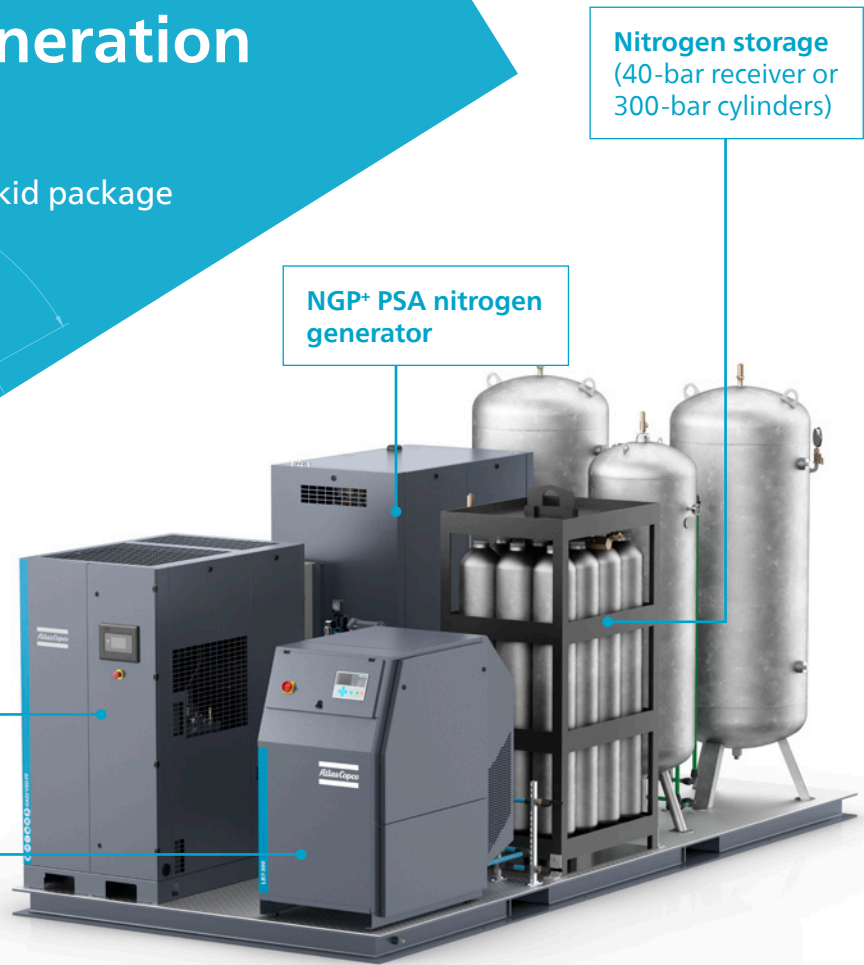


# Nitrogen generation systems

High-pressure nitrogen skid package



## The all-in-one nitrogen generation solution

The Atlas Copco nitrogen skid package is the all-in-one nitrogen solution that will give you gas supply independence and cost savings. A GA compressor with VSD technology, an NGP+ nitrogen generator, air and nitrogen receivers, a booster, dryers and filters are fully integrated in a compact and pre-commissioned skid. All components are built to Atlas Copco quality and energy efficiency standards. They are tested to work together for optimal, plug-and-play performance and reliability. Two variants are available: a 40-bar for on-demand use and a 300-bar that also allows for cylinder storage.



### Easy to operate and install

- Complete nitrogen generation system.
- Small footprint.
- Plug-and-play installation.
- One input, one output.



### Performance & reliability

- Freedom to select and size your compressor, N<sub>2</sub> generator, booster and air treatment.
- Guaranteed N<sub>2</sub> purity up to 99.999%
- All components are built and tested to work together.



### Operational savings

- GA compressor with VSD technology delivers double-digit energy savings.
- NGP+ nitrogen generator with best-in-class efficiency and 40% extra energy savings at lower load.
- High-efficiency booster safeguards N<sub>2</sub> purity for lowest energy costs.

## Still buying nitrogen?

Why buy nitrogen when you can produce and store your own? Atlas Copco nitrogen generation offers the sustainable and cost-efficient alternative to pre-filled cylinders or liquid supply. Our nitrogen skid package provides an independent source of nitrogen, when you need it and at the lowest cost to eliminate ordering, transportation and delivery expenses.

## Laser cutting

Laser cutting requires a reliable supply of high-pressure nitrogen. With its energy efficiency, ease of use and small footprint, the Atlas Copco nitrogen skid package is the ideal solution.



## Your own nitrogen supply & storage

With the Atlas Copco nitrogen skid package, you can fill a storage tank or cylinders to create your own supply. This can serve as your nitrogen back-up supply, but also allows you to downsize your system in case of fluctuating demand. Catering to peak requirements with your own pre-filled cylinders rather than with a higher capacity generation system offers significant savings.

## Technical specifications

Type	N <sub>2</sub> capacity @ 99.95% [Nm <sup>3</sup> /h]	N <sub>2</sub> capacity @ 99.99% [Nm <sup>3</sup> /h]	N <sub>2</sub> capacity @ 99.999% [Nm <sup>3</sup> /h]	Compressor	Air tank	N <sub>2</sub> generator	N <sub>2</sub> product tank	N <sub>2</sub> storage tank	N <sub>2</sub> booster	HP storage
<b>40-BAR N<sub>2</sub> SKID</b>										
1	9.9	7.3	4.5	GA 7 VSD <sup>5</sup> FF	LV 516	NGP 15 <sup>+</sup> PPM	LV 516	LV 1016	LB 10-40	500 L/45 bar
2	15.6	11.5	7.0	GA 11 VSD <sup>5</sup> FF	LV 516	NGP 25 <sup>+</sup> PPM	LV 516	LV 1016	LB 10-40	500 L/45 bar
3	19.0	19.0	14.7	GA 15 VSD <sup>5</sup> FF	LV 1016	NGP 50 <sup>+</sup> PPM	LV 1016	LV 1516	LB 10-40	1000 L/45 bar
4	45.8	34.6	22.7	GA 22 VSD FF	LV 1016	NGP 70 <sup>+</sup> PPM	LV 1016	LV 1516	LB 10-40	1000 L/45 bar
5	69.1	52.0	33.0	GA 30 VSD FF	LV 1516	NGP 105 <sup>+</sup> PPM	LV 1516	LV 1516	LB 10-40	1000 L/45 bar
6	101.0	82.5	55.2	GA 37L VSD <sup>+</sup> FF	LV 2016	NGP 160 <sup>+</sup> PPM	LV 2016	LV 2016	LB 10-40	1000 L/45 bar
<b>300-BAR N<sub>2</sub> SKID</b>										
7	9.9	7.3	4.5	GA 7 VSD <sup>5</sup> FF	LV 516	NGP 15 <sup>+</sup> PPM	LV 516	LV 1016	LB 7-300	12-hp cylinder rack
8	14.9	11.1	6.9	GA 7 VSD <sup>5</sup> FF	LV 516	NGP 25 <sup>+</sup> PPM	LV 516	LV 1016	LB 7-300	12-hp cylinder rack
9	19.4	19.4	14.4	GA 11 VSD <sup>5</sup> FF	LV 1016	NGP 50 <sup>+</sup> PPM	LV 1016	LV 1016	LB 7-300	12-hp cylinder rack
10	43.8	34.6	22.7	GA 22 VSD FF	LV 1016	NGP 70 <sup>+</sup> PPM	LV 1016	LV 1016	LB 15-300	16-hp cylinder rack
11	40.2	40.2	28.7	GA 22 VSD FF	LV 1516	NGP 105 <sup>+</sup> PPM	LV 1516	LV 1016	LB 15-300	16-hp cylinder rack
12	80.4	80.4	55.2	GA 37L VSD <sup>+</sup> FF	LV 2016	NGP 160 <sup>+</sup> PPM	LV 2016	LV 1516	2x LB 15-300	16-hp cylinder rack

### Performance reference conditions:

Ambient/inlet air temperature: 20°C/68°F

### Flow unit reference conditions:

Nm<sup>3</sup>/h: 20°C - 1bar(a) - 0% RH

### General notes:

- Nitrogen purity expressed as 100% minus oxygen content
- For different operating conditions & capacities please consult your Atlas Copco representative
- Nitrogen capacity can vary up to +/- 5%
- Pressure tolerance +/- 5% for skid package models 7-12

## Options

- Additional cylinder rack with 6, 12 or 16 cylinder capacity
- Outlet pressure regulator

- Additional 40 barg storage vessels
- Room O<sub>2</sub> analyzer
- Oil-water separator



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