

For further information please contact :  
Zandra van der Westhuizen - Business Line Manager: Industrial Air Division  
[zandra.vdw@atlascopco.com](mailto:zandra.vdw@atlascopco.com)  
Tel: +27 (0) 11 821 9800

### **Atlas Copco NGP+ Nitrogen Generators deliver up to 99,999% pure nitrogen onsite and reduce OPEX by 50%**

Nitrogen is an essential requirement in a number of applications such as chemical manufacturing, food and beverage processing and packaging, electronics, pharmaceuticals, and laser cutting for example, which are dependent on this industrial gas as an integral part of the production processes. The advanced Atlas Copco NGP+ Nitrogen Generators have been designed to supply nitrogen onsite at up to 99,999% purity and deliver a potential 50% reduction in running costs.

“Onsite industrial gas (nitrogen and oxygen) generation offers a much more sustainable and cost-efficient solution compared to cylinder or bulk liquid supply which require transport, handling, storage and administration,” notes Zandra van der Westhuizen, Business Line Manager of Atlas Copco Compressor Technique’s Industrial Air division.

Atlas Copco draws on many years of experience and continuous technical innovation to offer tailor-made superior quality on-site nitrogen generators designed to optimise production processes at the lowest possible operating costs. The company has extended its NGP+ nitrogen generator range to include nine energy-efficient, high capacity models.

These NGP+ generators have been designed from the outset to protect the process application and the users’ equipment investment, offering onsite nitrogen at flows ranging from 5,4 l/s (18 Nm<sup>3</sup>/h) to 867 l/s (2870 Nm<sup>3</sup>/h). Operating with PSA (Pressure Swing Adsorption) technology, these plug-and-play NGP+ Nitrogen Generators can simply be plugged into existing clean, dry compressed air installation to offer an independent, reliable, secure, flexible and cost-effective supply of nitrogen. Overall, the augmented family of NGP+ nitrogen generators offer up to 50% reduction in running costs compared to other nitrogen supply methods.

Core to the NGP+ is the Carbon Molecular Sieve; small oxygen molecules penetrate the pores while large nitrogen molecules by-pass the carbon molecular sieve. The NGP+ generators are equipped with an automatic “off-spec” purity control check that prevents nitrogen with a purity level less than the fixed threshold from reaching a sensitive application. Additionally, fail-safe sensors continuously monitor feed air conditions such as temperature, pressure and pressure dewpoint. ‘If the feed air does not match the generators specifications, it is automatically blown off prior to entering the machine to eradicate the risk of contamination and component damage,’ explains Van der Westhuizen. “In addition, in some sectors like rubber, metal production and general industry, customers are able to refine the actual purity level required for any given application while benefitting from optimum economic operation.”

#### **Atlas Copco Group Center**

---

Atlas Copco AB	Visitors address:	Telephone: +46 8 743 8000	A Public Company (publ)
SE-105 23 Stockholm	Sickla Industriväg 19	Reg. No: 556014-2720	
Sweden	Nacka	Web site <a href="http://www.atlascopcogroup.com">www.atlascopcogroup.com</a>	Reg. Office Nacka

The future-proof design of the NGP+ generators, which includes the integration of SMARTLINK, aligns these units with Industry 4.0 applications. This data monitoring program, collects, compares and analyses data in real-time to deliver an intelligent assessment of generator system performance. Through machine monitoring and assessment customers are able to achieve increased reliability, reduced downtime and identify energy optimisation opportunities.

Atlas Copco Compressor Technique prides itself on providing a complete air solution which goes far beyond the supply of the product. “Regular service and maintenance by skilled technicians using the right tools and genuine parts are fundamental to ensuring optimum, reliable and efficient performance of any equipment,” continues Van der Westhuizen. “We take care of our customers’ requirements around the country by offering turnkey service solutions across our complete product portfolio which includes industrial oil-free and oil-injected compressors, gas and process compressors and expanders, air and gas treatment equipment and air management systems.”

The NGP+ generators complement Atlas Copco’s existing range of onsite gas solutions, including both nitrogen and oxygen generators, available in membrane and PSA technologies.

/Press Release ends



At **Atlas Copco**, we have been turning industrial ideas into business-critical benefits since 1873. By listening to our customers and knowing their needs, we deliver value and innovate with the future in mind.

[www.atlascopco.com/en-za](http://www.atlascopco.com/en-za)

**Atlas Copco CT**

Great ideas accelerate innovation. At Atlas Copco Compressor Technique we team up with our customers to turn industrial ideas into smart connected air and gas solutions and leading edge compressed air technology. Our passionate people, expertise and service bring sustainable value to industries everywhere.

Atlas Copco – Home of industrial ideas

Issued by: Laverick Media Communications T: +27(0) 79 949 1090 [sonia@laverickmedia.co.za](mailto:sonia@laverickmedia.co.za) / [www.laverickmedia.co.za](http://www.laverickmedia.co.za)