1. ****What are the key benefits of on-site gas compared to delivered gas?****

1. You save up to 80% on the cost of the nitrogen or oxygen compared to buying in nitrogen in bulk.

 2. Payback is usually under 18 months, and the product has a typical lifetime of over 10 years.

3. A constant supply is ensured: you never have to worry about a delivery not getting to you in time

again.

4. Save space & minimise risk and handling errors: no need for gas bottles/liquid nitrogen tank in

the yard.

5. Simplify administration to save time & money with no weekly deliveries to manage.

6. Very low running costs: uses your compressed air supply.

1. ****Are nitrogen generators safe?****

Yes. As the generator does not add or take anything away from the atmospheric air, you could have one running in a closed room with no change to the overall content of the atmosphere. They also negate the need to store and move potentially dangerous high pressure cylinders on site.

1. ****Will getting a quote mean lots of meetings with engineers, or searching for lots of facts & figures?****

1. The required flow of nitrogen/oxygen

2. The required purity of nitrogen/oxygen

3. The input pressure of your compressed air supply

4. The pressure of the nitrogen/oxygen used in your application

1. ****Why don't more companies have generators?****

Traditionally, on-site gas generators were only economically viable in very large applications. With constant development, today's high efficiency products ensure that generators are economically viable for the smallest of applications, and an ever increasing number of companies are moving to generate their own nitrogen and oxygen.

1. ****How does the PSA technology work?****

The PSA technology is based on the adsorption principle: The nitrogen and oxygen molecules from the intake air are separated by a carbon molecular sieve. The nitrogen molecules penetrate the carbon during this process. They are transported by means of the compressed air from the downstream system tank. This is where the highly clean nitrogen is ready to use.

1. ****What are the maintenance expenses for the PSA nitrogen generator?****

In case of a use of 24 hours daily, the elements of the internal filter must be exchanged, in rotation, every six months. The valves must be exchanged every five years. The maintenance work on the air compressor are according to the recommendations of the manufacturer.

1. ****What is the service life of the molecular sieve?****

The service life of the molecular sieve depends on the quality of the intake air. In case the recommended standards are kept, the sieve can be operated for up to 20 years and even considerably longer.

1. ****What is the dew point of the nitrogen, produced by the PSA nitrogen generators?****

The dew point of the nitrogen produced by the PSA nitrogen generators lies between -35 °C and -60 °C, according to the size of the generator.

1. ****What are the maintenance expenses for the PSA oxygen generator?****

In case of a use of 24 hours daily, the elements of the internal filter must be exchanged, in rotation, every six months. The valves must be exchanged every five years. The maintenance work on the air compressor are according to the recommendations of the manufacturer.