

How do nitrogen generators work?



Nitrogen generators consume 79% of the air we breathe, so there is an infinite source of comfort at your fingertips waiting to be tapped into, reducing your current annual nitrogen costs by 80% to 90%. A VPS nitrogen generator simply separates nitrogen atoms from your packaged air stream, determining an available virtue, flow rate and weight according to your requirements.

Unlike other nitrogen separation technologies, PSA nitrogen generators are capable of achieving high purity levels of 99.9995% or 5 PPM to a large extent. the PSA process is a physical process and does not use any chemicals, resulting in very low annual consumable costs.

PSA nitrogen generators also place little or no stress on the hardware and the channel media, so the equipment often has little or no maintenance costs over a period of 20 years or more. It is normal for a PSA nitrogen generator to have more than 40, 000 hours of management time.

When establishing the specificity of your nitrogen generator, it is important to understand that the size and cost of the equipment is largely based on the perfection and flow rate required. With PSA generators, it is vital to distinguish the most extreme maximum flow rate demand at any given point in your operation.

It is also important to differentiate the basic purity you need to improve your funding potential. Most applications don't require the "one size fits all" virtues that your gas organization offers.

For example, many nutritional bundle applications require a virtue of 99.5%. 99.5% is considered to be the low purity of the PSA era, which has largely contributed to the simplification of hardware and a particularly effective ratio of packaged air to nitrogen. In many applications, the high purity of 99.999% and above also provides significant investment capital.

