

PRISM® Nitrogen Generator - PSA



A typical PSA (pressure swing adsorber) gas generator producing high purity nitrogen at a customer site

The Air Products' PRISM® PSA utilises proprietary technology and the principles of adsorption to create a guaranteed reliable supply of nitrogen gas.

Dry compressed air enters the adsorber bed, which is made up of a unique molecular sieve. The molecular sieve selectively adsorbs both waste gases and oxygen. When the sieve reaches saturation, flow is switched to a second bed, whilst the first is regenerated. The cycle continues with nitrogen travelling out of the bed, creating a continuous product stream which is fed directly to the customer.

The *Guide to PRISM® On-site Gas Generation* provides an explanation of when a PSA nitrogen generator may be a suitable mode of supplying your nitrogen. For a copy of this CD ROM please contact us

