

## PSA N2 GENERATION SYSTEM (for industry)

**Pressure Swing Adsorption** nitrogen production system, take carbon molecule sieve as absorbent. Under certain pressure, the adsorption capacity of carbon molecule sieve on oxygen is much higher than that of nitrogen. By switching on/off the pneumatic valves controlled by PLC program, the **adsorption towers A and B** works alternately, generating while pressure increased and regenerating after pressure reduced. The nitrogen and oxygen will be separated during the process; the purified nitrogen will be obtained then.



## PSA (VSA, TSA) OXYGEN AND NITROGEN PRODUCTION EQUIPMENT.

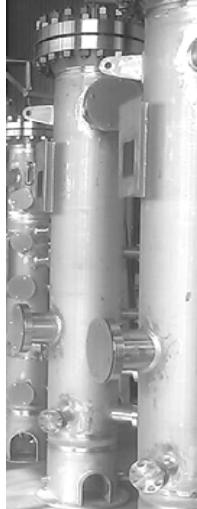
The device adopts double tower adsorption, and uses molecular sieve to absorb gas from the air. Separate gas to obtain high-purity oxygen or nitrogen.

## COMPACT CABINET N2 GENERATION

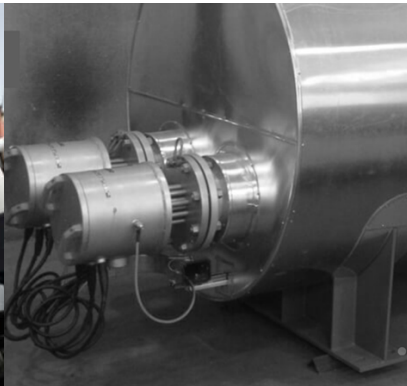
For obtaining cheap nitrogen, using nitrogen generators, getting autonomy and safety, the use of the phenomenon of possible gas breakage, on-site air separation nitrogen can be a good solution, box type nitrogen generator to meet the standard production, the user is easy to select, suitable for the use of gas is not a small amount of occasions, is becoming the trend to replace the bottled nitrogen.

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## FILTERS, SEPARATORS, HEATER, SCRUBBER, TRAIN OF VALVES REGULATION OF NATURLA GAS



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## REGULARTION. TRAIN OF VALVES



- **Filter separators** are designed to provide a very high efficiency removal of liquid and solid particles from a gas stream.
- **Dry gas filters** are designed to meet high efficiency removal of solid particles from a gas stream.
- **Filters coalescent**
- Filter used for **high efficiency** for separation of small liquid, solid particles, and mists present in **gas streams**.
- Efficiency is improved by **multiple with vane filter**.
- Stages, consisting coalescing **filter elements combined**.
- **Gas Dryer** and separators and multi media
- **Electric Heaters** Type is designed to heat fluids in contact with an electrical resistance, it **permits a smaller size construction**.
- **Scrubber** for wet gas washing

**Thank you!**

**In order to offer you, a technical solution that meets your requirements, please contact us at: [sales@atc-sys.com](mailto:sales@atc-sys.com)**



[www.atc-sys.com](http://www.atc-sys.com)

AVENIDA DE LA CONSTITUCIÓN  
232, TORREJÓN DE ARDOZ,  
28850 MADRID – SPAIN

Alberto Jiménez / BDM  
[alberto.jimenez@atc-sys.com](mailto:alberto.jimenez@atc-sys.com)

