

## Technical Specifications

Product:

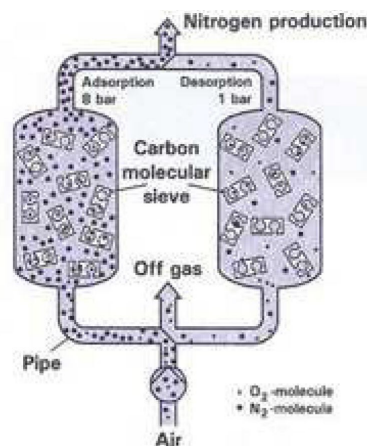
Manufactured By:

### Nitrogen Generation by Pressure Swing Adsorption (PSA)

The nitrogen plant based on the PSA-process consists of towers filled with Carbon Molecular Sieve (CMS).

Compressed and purified air is passed through the adsorption towers. Mainly oxygen is adsorbed on the CMS and nitrogen enriched gas leaves the tower. The oxygen concentration can be reduced to almost all required levels.

During adsorption on one tower the second tower is totally regenerated just by depressurisation to ambient pressure. The oxygen enriched off gas with 30-35% volume oxygen content is vented into the atmosphere. About one minute the adsorption in one adsorption tower the process controller switches over to the second tower and the first one is regenerated.



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