

Landfill Deoxo and Dryer Purification Skids



PSB INDUSTRIES INC.
General Air Division
ISO 9001:2000 CERTIFIED

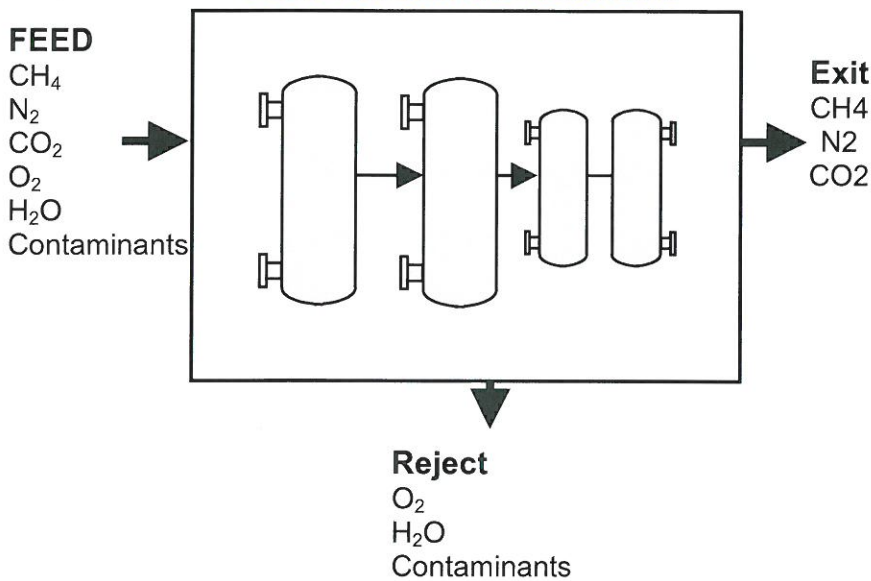
Landfill Deoxo and Dryer Purification Skid

Landfill Gas is often contaminated with Oxygen and this can make the gas unusable by the product pipeline. PSB Methane Deoxo Dryer Skid is an ideal system for removing Oxygen and moisture from Methane gas. Each unit is conservatively sized to remove Oxygen and moisture gas feed downstream of the gas feed compressor and membrane unit. Each skid is designed according to the flow rate and gas composition.

Impurities are removed in the guard bed. The Oxygen is then removed from the Natural Gas stream through a catalytic reactor. Depending on the moisture content the dryer option is available for removal of water.

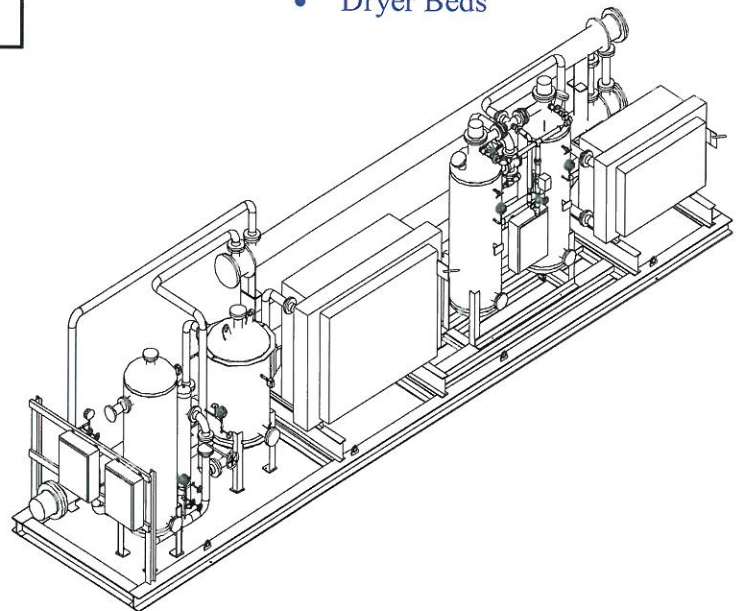
A typical concentration range of O₂ inlet is 0.1 volume % to 3 volume %. PSB's Methane Deoxo Skid can purify the stream to less than 100 ppmv O₂. PSB Dryers remove moisture to less than 7 lb/MMSCF. **Contact PSB with your specific operating conditions.**

TYPICAL BLOCK DIAGRAM



MAJOR COMPONENTS

- Catalyst Guard Bed
- Particulate Filter
- Economizer
- Trim Heater
- Deoxo Bed
- After Cooler
- Separator
- Dryer Beds



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