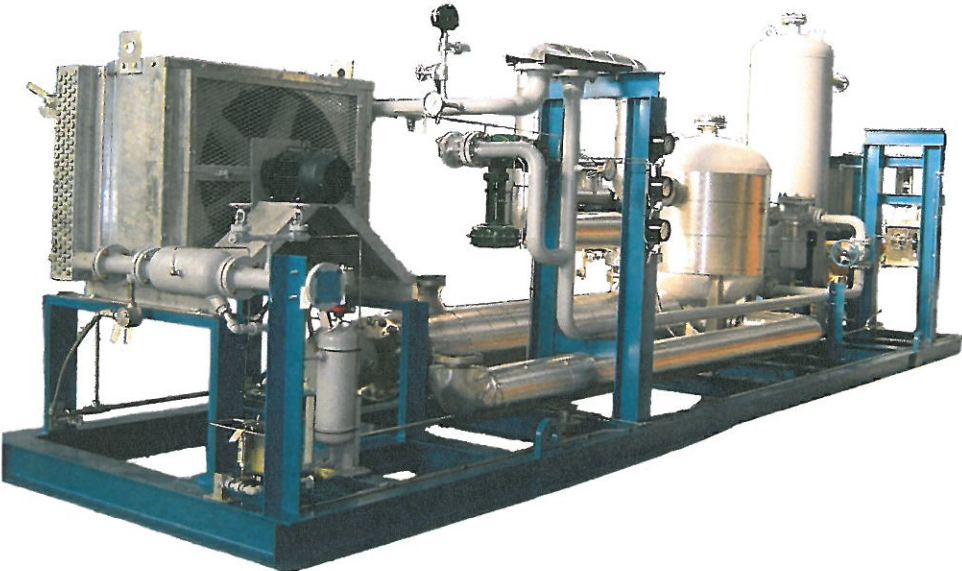


# Methane Deoxo and Dryer Purification Skids

# PSB



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

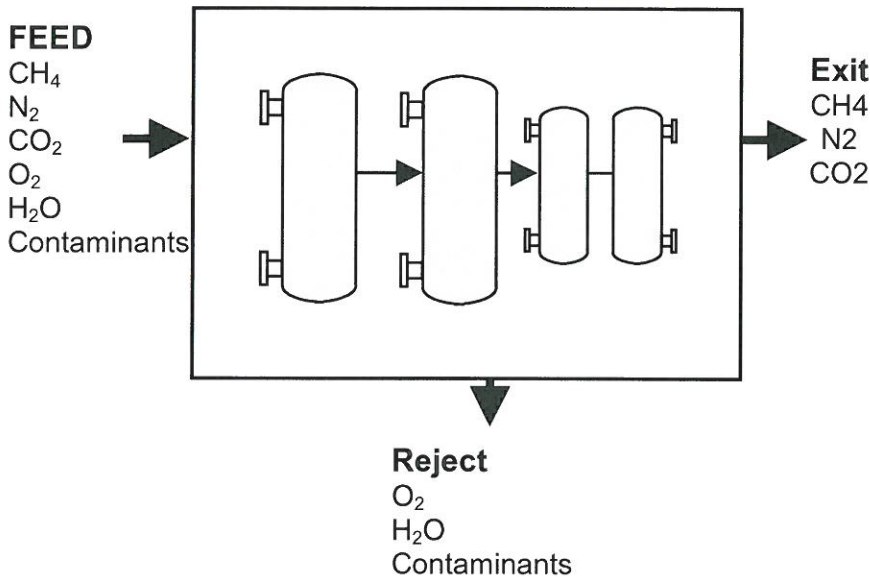
# Methane Deoxo and Dryer Purification Skid

**Coal bed and Coal mine methane** 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. 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.

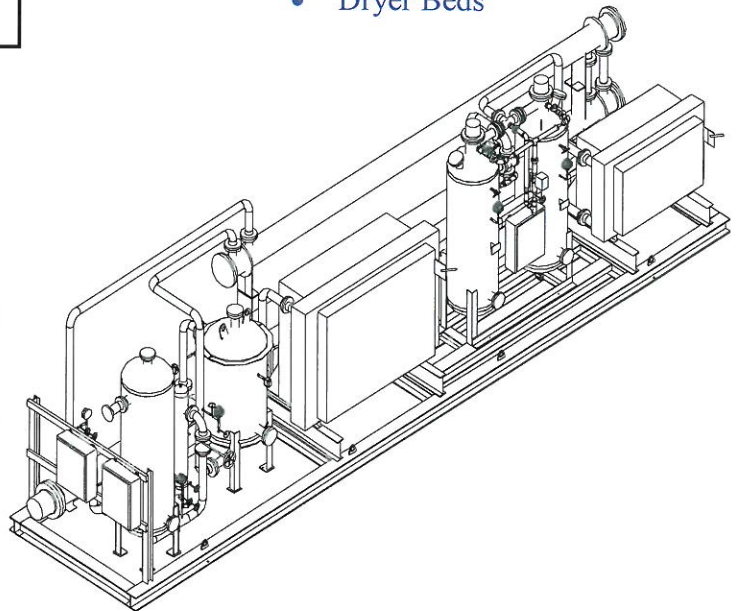
A typical concentration range of O<sub>2</sub> inlet is 0.1 volume % to 2.5 volume %. PSB's Methane Deoxo Skid can purify the stream to less than 100 ppmv O<sub>2</sub>. PSB Dryers remove moisture to less than 7 lb/MMSCF. **Contact PSB with your specific operating conditions.**

## TYPICAL BLOCK DIAGRAM



## MAJOR COMPONENTS

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



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- Methane Deoxo Skid Bulletin April 2007