

Carbon Dioxide Desiccant Dryers

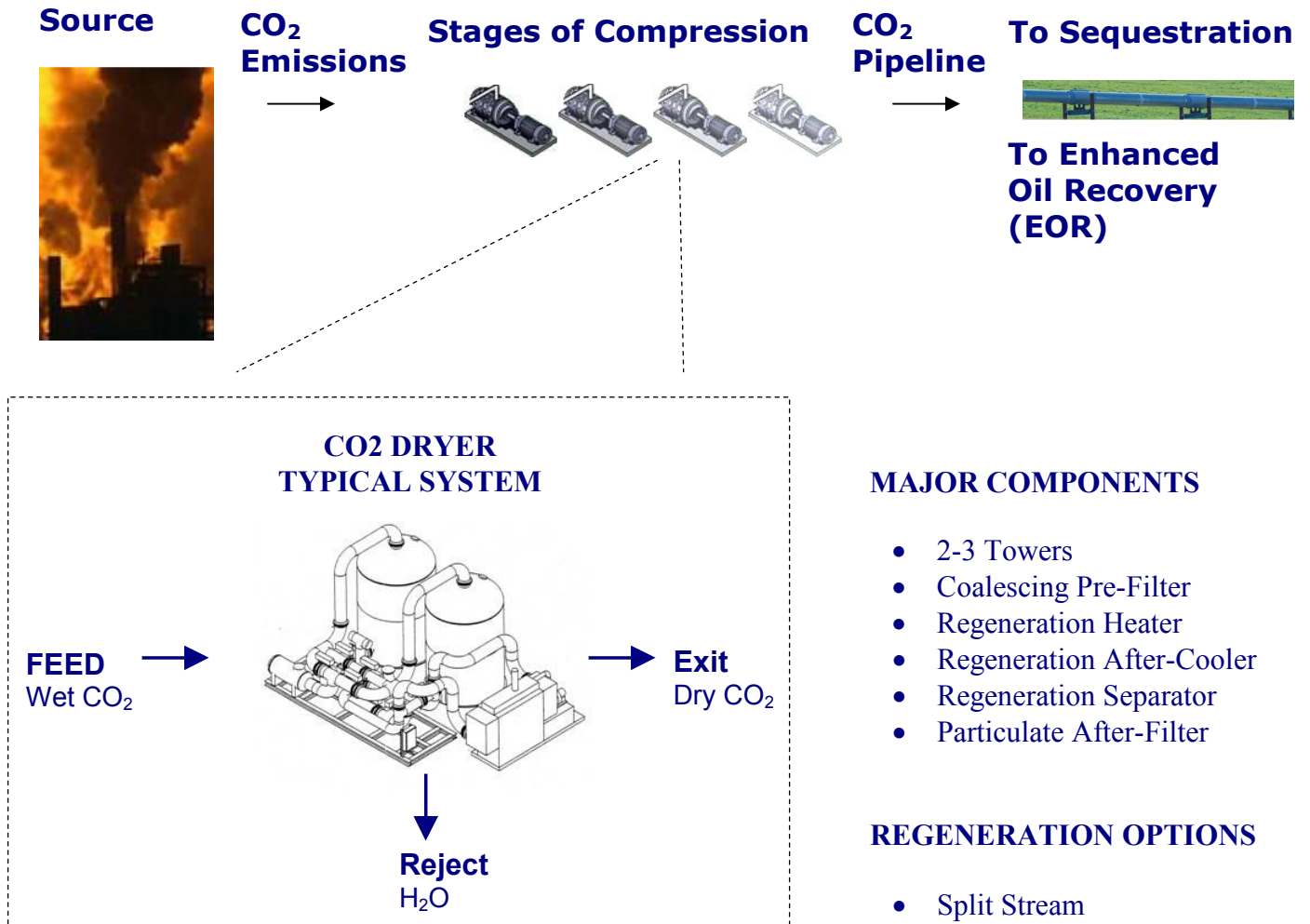


PSB INDUSTRIES INC.
General Air Division
ISO 9001:2000 CERTIFIED

Carbon Dioxide Dryers

Carbon Dioxide (CO₂) Gas, a greenhouse gas, is a byproduct of H₂ production plants, petroleum refining processes, flue gas emissions from power generation, and other sources. **Carbon capture and storage (CCS)** is a means of capturing and removing CO₂ from large sources and storing it away from the atmosphere by sequestration or using it for enhanced oil recovery. Why dry CO₂? Removing moisture from the CO₂ stream prevents corrosion of carbon steel pipelines.

Typical inlet conditions of CO₂ at the dryer inlet are 200-800 psig, 80-110 °F, 80-300 MMSCFD. PSB's Carbon Dioxide Dryer Skid typically achieves a -40 °F dew point through Temperature Swing Adsorption (TSA). **Contact PSB with your specific operating conditions.**



MAJOR COMPONENTS

- 2-3 Towers
- Coalescing Pre-Filter
- Regeneration Heater
- Regeneration After-Cooler
- Regeneration Separator
- Particulate After-Filter

REGENERATION OPTIONS

- Split Stream
- Closed Loop
- Recycle

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