

CO₂ Production System

- Flue Gas Recovery

Components Legend

- | | |
|-------------------------------------|---|
| 1. Direct Contact Cooler / Scrubber | 14. KMnO ₄ Bubblers |
| 2. Flue Gas Blower | 15. WittFill Tower |
| 3. Absorber Tower | 16. CO ₂ Compressor |
| 4. Stripper Tower | 17. Intercooler |
| 5. Rich Pump | 18. Aftercooler |
| 6. Lean / Rich Exchanger | 19. High Pressure Precooler |
| 7. Reboiler | 20. Dual Tower CO ₂ Dryer |
| 8. Lean Pump | 21. CO ₂ Condenser |
| 9. Trim Cooler | 22. Liquid CO ₂ Stripping Column |
| 10. Recirculation Pump | 23. Reboiler |
| 11. Recirculation Cooler | 24. Product Pump |
| 12. Absorber Vent Cooler | 25. Liquid CO ₂ Storage Tank |
| 13. Product Cooler | |

Fluids Legend

- | | |
|---|---|
|  | Flue Gas |
|  | Monoethanolamine (MEA) - Lean |
|  | Monoethanolamine (MEA) - Rich |
|  | Saturated Steam |
|  | Vapor CO ₂ |
|  | Potassium Permanganate (KMnO ₄) |
|  | WittFill |
|  | Water-Soda Ash / Condensate |
|  | Cooling Water |
|  | Activated Carbon |
|  | Desiccant |
|  | Liquid CO ₂ |
|  | Cold Refrigerant |
|  | Hot Refrigerant |

