

CO₂ Production System

- Direct Fired

Components Legend

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

Fluids Legend

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

