

Improved

# Purification

for your CO<sub>2</sub> Generating/Production Plant

- Ensures beverage quality CO<sub>2</sub> standards.
- Visual indication of when to change purifying media (KMnO<sub>4</sub> and **WittFill**).
- Designed for simple operation and easy maintenance.
- Compact, packaged design.
- Easily incorporated into existing CO<sub>2</sub> plant operation.
- Designed for low pressure operation, thus reducing CO<sub>2</sub> compressor maintenance.



## PRINCIPLE OF OPERATION

The Wittmann CO<sub>2</sub> Purification Package purifies the CO<sub>2</sub> vapor from your existing CO<sub>2</sub> Generating/ Production Plant. The CO<sub>2</sub> vapor is first processed through two (2) Potassium Permanganate (KMnO<sub>4</sub>) Scrubbers, operated in series, which remove the majority of the impurities developed in the combustion/MEA processing system.

The CO<sub>2</sub> exiting the second KMnO<sub>4</sub> scrubber is then passed through a CO<sub>2</sub> heater to ensure that any moisture is in vapor form

prior to entering the deodorization tower.

The deodorization tower contains activated carbon and **WittFill** purification media.

**WittFill** provides high removal efficiency of impurities such as acetaldehyde, amines, hydrogen sulfide, nitrogen oxides, and sulfur dioxide, which are typically not removed with activated carbon.

CO<sub>2</sub> flows upward through the **WittFill** material and is then passed through a particulate filter prior to compression.