

## Carbon Dioxide Gas Purifier for High Purity Applications

- Outperforms carbon-based hydrocarbon traps
- Larger number and variety of contaminants removed
- Optimized for the high flows of process equipment

### Description

VICI Metronics gas purifier modules are designed to be placed in-line with the CO<sub>2</sub> gas supply. Patented adsorptive materials capture and retain a broad spectrum of hydrocarbons, halocarbons, and other contaminants that can be present in your CO<sub>2</sub> gas delivery system. The contaminants are retained for the operating life of the purifier.

The gas purifier modules offer dramatic reductions in most contaminant levels and adsorb a larger number and variety of contaminants than other commonly used adsorptive materials. The performance is optimized by incorporating a multiple bed format so that each successive bed functions at a lower contaminant concentration. The result is a series of contaminant concentration gradients across the length of the CO<sub>2</sub> purifier module.

The CO<sub>2</sub> gas purifier has been optimized for the high flow CO<sub>2</sub> gas supply used on process equipment, and has been shown to outperform the carbon-based hydrocarbon traps previously used for this application. A module is typically good for four tanks of CO<sub>2</sub>.

**Two very high capacity hydrocarbon and moisture sorbents at the inlet for effective contaminant removal**

**Unique proprietary broad spectrum sorbent material for multiple contaminant removal**

**Two oxygen scavenging materials for both high capacity and high efficiency O<sub>2</sub> removal**

**Multiple bed format to allow several step reduction in contaminants**

**Removal of H<sub>2</sub>O, O<sub>2</sub>, halocarbons, hydrocarbons, CO, H<sub>2</sub>, and sulfur containing compounds with a single purifier**

**Very high efficiency sorbents at the outlet for trace contaminant removal**

