

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 CO₂ gas supply. Patented adsorptive materials capture and retain a broad spectrum of hydrocarbons, halocarbons, and other contaminants that can be present in your CO₂ 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 CO₂ purifier module.

The CO₂ gas purifier has been optimized for the high flow CO₂ 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 CO₂.

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 O₂ removal

Multiple bed format to allow several step reduction in contaminants

Removal of H₂O, O₂, halocarbons, hydrocarbons, CO, H₂, and sulfur containing compounds with a single purifier

Very high efficiency sorbents at the outlet for trace contaminant removal

