



VCD Series

For Dry, CO₂-Free Air to 99 lpm

PUREGAS VCD Series carbon dioxide adsorbers are designed to remove CO₂ from compressed air for outlet flows up to 99 SLPM (3.5 SCFM). The carbon dioxide adsorber does this by using media beds featuring 13X molecular sieve in a pressure swing adsorption process for a more efficient adsorption of CO₂. Outlet CO₂ levels less than 1 PPM and outlet H₂O levels less than -100°F dew point. Adsorbed moisture and CO₂ are vented to atmosphere while dry CO₂ free air is provided at the outlet port.

Product Features:

- 13X Molecular Sieve media layers for efficient adsorption of CO₂
- Outlet CO₂ levels less than 1 PPM; outlet H₂O levels less than -100°F dew point
- Easy-change adsorbent/desiccant chambers screw on/off
- Direct acting solenoid valves for positive shifting and reliable flow control
- Ultra-compact size can be mounted in any position
- Fixed orifice design for consistent, troublefree purge flow
- Components are all easily serviced and field replaceable
- Purge mufflers and power cord standard



Typical Applications:

- TOC Analyzers
- Continuous Emissions Monitoring
- Environmental Instruments
- FTIR Spectrometers
- Gas Chromatographs
- Laboratory Analyzers
- NMR Spectroscopy
- Zero Air Systems

