

# **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 adsorbtion 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 consistant, troublefree purge flow
- Components are all easily serviced and field replaceable
- Purge mufflers and power cord standard

#### **Typical Applications:**

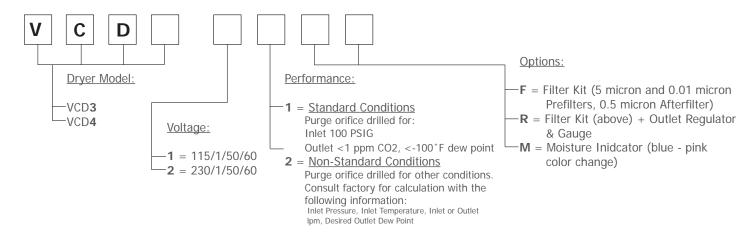
- TOC Analyzers
- Continuous Emissions Monitoring
- Environmental Instruments
- FTIR Spectrometers
- Gas Chromatographs
- Laboratory Analyzers
- NMR Spectroscopy
- · Zero Air Systems



### **Specifications:**

	VCD3	VCD4
	Flows (lpm) at 100 PSIG	
Inlet Flow	40	95
Purge Flow	17	35
Outlet Flow	23	60
	Additional Specifications	
Inlet / Outlet Ports	1/4"	
Power Requirements	115 VAC, Single Phase, 50/60 Hz or 220 VAC, Single Phase, 50/60 Hz 20 watts	
Maximum Temperature	120°F ambient	
Maximum Pressure	150 PSIG	
Outlet CO2 Concentration	Less than 1 ppm	
Outlet H2O Concentration	Less than 1 ppm (-100°F dew point)	
Outlet Dew Point	-40°F pressure dew point with 100°F saturated inlet (-100°F optional)	
Rated Inlet Condition	70°F saturated, 375 ppm CO2	
	Dimensions	
Height	16.1"	24.1"
Width	8"	
Depth	4.5"	
Weight	9 lbs	14 lbs

#### **Model Number Ordering:**



For additional information please go to our web site @ airdryers



PUREGAS, LLC 226A Commerce St. Broomfield, CO 80020 Tel 800-700-8537 Fax 303-465-9294 sales@airdryers.com