

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 constant, troublefree purge flow.
- Components are all easily serviced and field replaceable.
- Purge mufflers and power cord standard.

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.



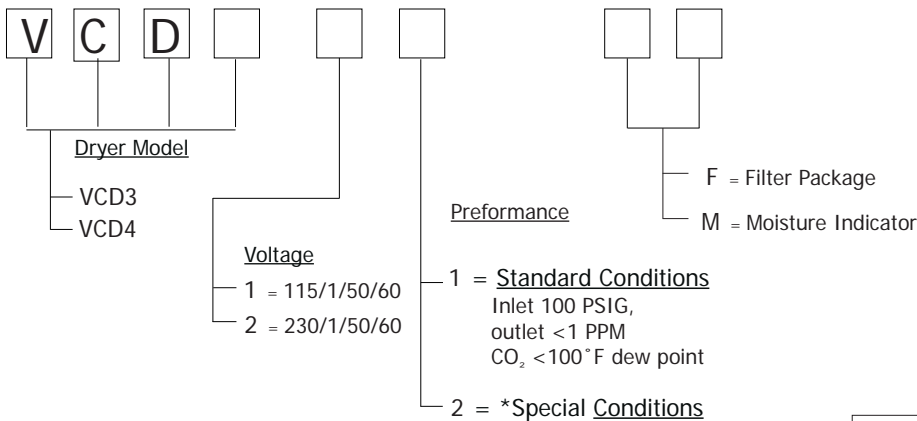
Model Number	VCD3	VCD4
Max Flow Capacities at 100 psig (Liters/minute)		
Inlet Flow	40	95
Purge Flow	17	35
Outlet Flow	23	60
Inlet and Outlet Connections (NPT)	1/4"	1/4"
Dimensions (inches)		
Height	16.1	24.1
Width	8.0	8.0
Depth	4.8	4.8
Weight (pounds)	9	14

Typical Applications:

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

All Models: Available Voltage: 115/1/50/60, 230/1/50/60
Maximum temperature: 120°F ambient
Maximum operating pressure: 150 PSIG
Maximum pressure: 150 PSIG
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
Recommended filtration on inlet: 5.0 micron filter and 0.01 micron filter

MODEL NUMBER ORDERING



*Options:

F-Filter Package Includes:

- 5 micron particulate prefilter
- 0.01 micron coalescing prefilter
- 0.5 micron particulate afterfilter

M-Moisture Indicator

Color change blue (dry) pink (wet)

VCD CO₂ Adsorber/Dryer are standard with power cord and purge muffler.

*Special Conditions

For use with non-standard conditions, please specify with your order:

Inlet pressure: 50 to 150 PSIG

Inlet flow (l/m) or outlet flow (l/m)

For additional information please go to our web site @ airdryers.com



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