

REGENERATIVE

CO₂ ADSORBERS



CAS SERIES



**TWIN TOWER
ENGINEERING, INC.**

Design Features:

- Continuous, ultra-dry, CO₂-free air to less than 1 ppm.
- Low velocity air through the desiccant bed for more efficient adsorption of CO₂.
- Large internal air passages for low pressure drop.
- Rugged and light-weight aluminum construction.
- Solid state timer with LED display for visual monitoring of cycle.
- NEMA 4 electrical rating standard.
- Low wattage valves equipped with Din connectors
- Repressurization before tower switch-over causes less shocking of the desiccant and no outlet pressure fluctuations.

Typical Applications:

FTIR Spectrometers
 Gas Chromatographs
 Laboratory Analyzers
 Continuous Emissions Monitors
 TOC Analyzers

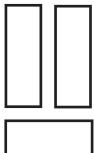
Specifications:

MODEL NUMBER	CAS1	CAS2	CAS3	CAS4
Flow Capacities at 100 PSIG (l/m)				
Inlet Flow	50	100	160	320
Purge Flow	20	40	70	140
Outlet Flow	30	60	90	180
*Flow Capacities at 150 PSIG (l/m)				
Inlet Flow	70	140	230	460
Purge Flow	20	40	70	140
Outlet Flow	50	100	160	320
*Flow Capacities at 50 PSIG (l/m)				
Inlet Flow	28	52	90	182
Purge Flow	21	38	66	132
Outlet Flow	7	14	24	50
Connections (NPT)				
Inlet	3/8"	3/8"	1/2"	1/2"
Outlet	3/8"	3/8"	1/2"	1/2"
Dimensions (Inches)				
Height	21.0	24.6	40.3	44.2
Width	6.5	6.5	9.5	10.0
Depth	5.0	5.0	6.2	6.6
Weight (Pounds)				
	12	15	35	66
<i>*with orifice change</i>				

All Models:

- Available Voltages: 115/1/50/60, 230/1/50/60
- Maximum operating temperature: 120°F ambient
- Maximum operating pressure: 150 PSIG
- Outlet CO₂ concentration: to less than 1 ppm
- Outlet dew point: better than -100°F
- Rated inlet condition: 70°F saturated, 375 ppm CO₂
- Recommended filtration on inlet: 5 micron particulate and 0.01 micron coalescing

To help preserve our natural resources, we have limited our catalog to these two pages and offer more detailed information on our website. Please visit us at www.airdryers.com to view this information.



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