

## Features:

- Continuous, ultra-dry, CO<sub>2</sub>-free air to less than 1 ppm.
- Low velocity air through the desiccant bed for more efficient adsorption of CO<sub>2</sub>.
- 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.

The CAS-Series carbon dioxide adsorbers are designed to remove CO<sub>2</sub> from compressed air. The carbon dioxide adsorber does this by using media beds featuring 13X molecular sieve in a pressure swing adsorption process. Adsorbed moisture and CO<sub>2</sub> are vented to atmosphere while dry CO<sub>2</sub>-free air is provided at the outlet port. Standard voltage is 115 VAC. 230 VAC is available. Standard operating pressures from 50 to 150 psig.



Model Number	CAS1	CAS2	CAS3	CAS4
<b>Flow Capacities (l/m) at 100 PSIG</b>				
Inlet Flow	50	100	160	320
Purge Flow	20	40	70	140
Outlet Flow	30	60	90	180
<b>*Flow Capacities at 150 PSIG (l/m)</b>				
Inlet Flow	73	142	236	468
Purge Flow	30	57	96	190
Outlet Flow	43	85	140	278
<b>*Flow Capacities at 50 PSIG (l/m)</b>				
Inlet Flow	28	52	90	182
Purge Flow	21	38	66	132
Outlet Flow	7	14	24	50
<b>Connections (npt)</b>				
Inlet	3/8"	3/8"	1/2"	1/2"
Outlet	3/8"	3/8"	1/2"	1/2"
<b>Dimensions (Inches)</b>				
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

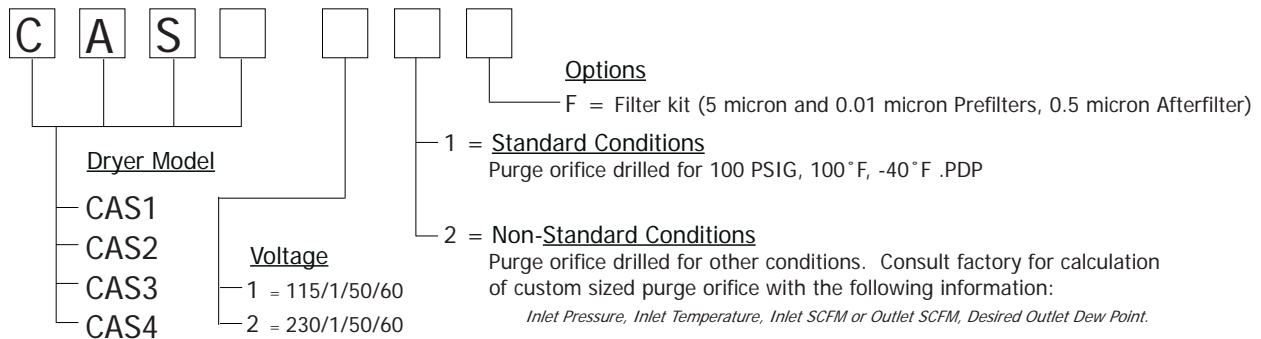
\* Indicates flow capacities with orifice change

## Typical Applications:

- FTIR Spectrometers
- Gas Chromatographs
- Laboratory Analyzers
- Continuous Emission Monitors
- TOC Analyzers

<b>All Models:</b> Available Voltages	115/1/50/60, 230/1/50/60
Maximum temperature:	120 °F ambient
Maximum pressure:	150 PSIG
Outlet CO2 concentration:	to less than 1ppm
Outlet dew point:	better than -100 °F
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:



For additional information please go to our web site @ [airdryers.com](http://airdryers.com)



Distributed by:  
Air & Vacuum Process, Inc.  
Phone: (866) 660-0208  
Fax: (281) 866-9717  
[sales@airvacuumprocess.com](mailto:sales@airvacuumprocess.com)

PUREGAS, LLC  
226A Commerce St.  
Broomfield, CO 80020  
Tel 800-700-8537  
Fax 303-465-9294  
[sales@puregas.com](mailto:sales@puregas.com)