



# CAS Series

For Dry, CO<sub>2</sub>-Free Air to 320 lpm

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



## Product 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

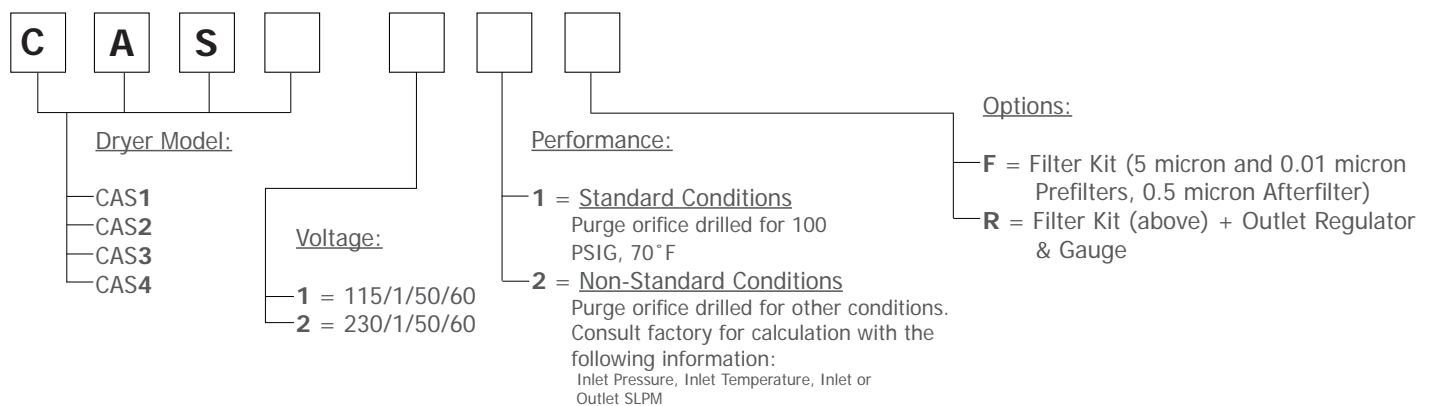
## Typical Applications:

- TOC Analyzers
- Continuous Emissions Monitoring Systems
- Environmental Instruments
- FTIR Spectrometers
- Gas Chromatographs
- Laboratory Analyzers
- Laser cutters / welders

## Specifications:

	CAS1	CAS2	CAS3	CAS4
<b>Flows (lpm) at 100 PSIG</b>				
Inlet Flow	50	100	160	320
Purge Flow	20	40	70	140
Outlet Flow	30	60	90	180
<b>Flows (lpm) at 150 PSIG</b>				
Inlet Flow	77	144	236	467
Purge Flow	30	58	96	190
Outlet Flow	44	86	140	277
<b>*Flows (lpm) at 50 PSIG</b>				
Inlet Flow	28	53	91	182
Purge Flow	21	38	66	132
Outlet Flow	7	15	25	50
*with orifice change				
<b>Additional Specifications</b>				
Inlet / Outlet Ports	3/8"		1/2"	
Power Requirements	115 VAC, Single Phase, 50/60 Hz or 230 VAC, Single Phase, 50/60 Hz			
Maximum Temperature	120°F ambient			
Maximum Pressure	150 PSIG			
Outlet CO2 Concentration	To less than 1 ppm			
Outlet Dew Point	Better than -100°F			
Rated Inlet Condition	70°F saturated, 400 ppm CO2			
<b>Dimensions</b>				
Height	26"	29.7"	44.7"	48.7"
Width	7.3"		11.1"	
Depth	5.9"		7.7"	8.2"
Weight	12 lbs	15 lbs	35 lbs	66 lbs

## Model Number Ordering:



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



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