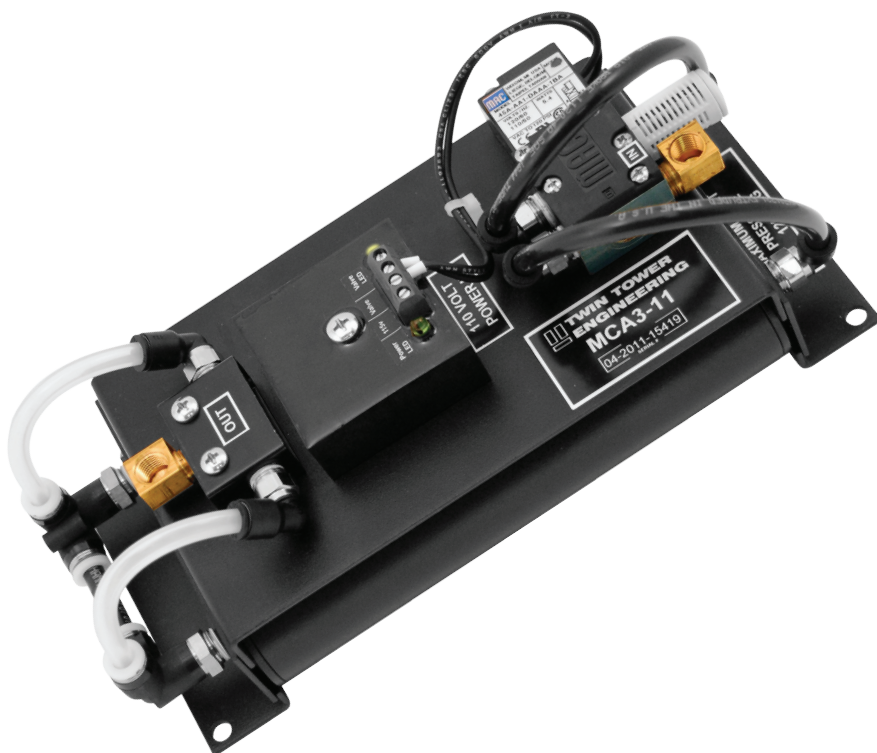


## Features:

- *Reduces CO2 to less than 1 ppm.*
- *Reduces water vapor to less than 1 ppm.*
- *Compact, lightweight design saves space.*
- *Easy to install.*
- *Continuous self-regenerative operation.*
- *Operating pressure 50 to 120 PSIG.*
- *115 volts AC, 6 watts, other voltages available.*

Twin Tower Engineering's Carbon Dioxide Adsorber-Dryers (MCA Series) are designed to remove CO2 and moisture from compressed air. This dryer uses dual towers with media beds featuring 13X molecular sieve in a pressure swing adsorption process. Adsorbed moisture and CO2 are vented to atmosphere while dry CO2-free air is provided at the outlet port.

The dual tower adsorber/dryer design performs two essential functions in one process eliminating the need for an additional unit, reducing costs. The regenerative design provide continuous clean dry, CO2-free air.



Model Number	MCA1	MCA2	MCA3	MCA4	MCA5	MCA6
Flow Capacities at 100 (psig) l/m						
Inlet Flow	2.8	8.8	13.2	17.7	25.7	35.3
Purge Flow	1.2	3.7	5.5	7.8	10.3	14.8
Outlet Flow	1.6	5.1	7.7	9.9	14.8	20.5
Connections (NPT)						
Inlet	1/8"	1/8"	1/8"	1/8"	1/4"	1/4"
Outlet	1/8"	1/8"	1/8"	1/8"	1/4"	1/4"
Dimensions (inches)						
Height	7.0	10.3	8.8	10.1	9.5	11.4
Width	3.5	3.5	4	4	5.0	5.0
Depth	3.3	3.3	3.5	3.5	3.8	3.8
Weight (ounces)	22	24	25	30	35	50

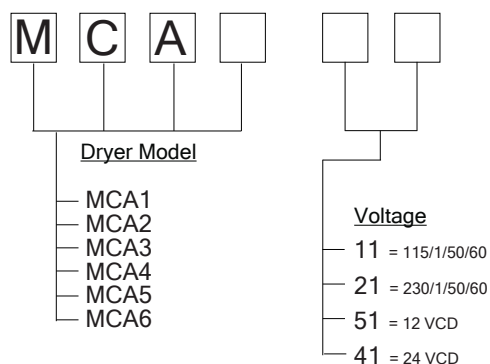
\* Indicates flow capacities with orifice change

## Typical Applications:

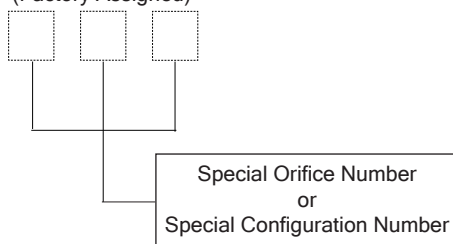
- FTIR Spectrometers
- Gas Chromatographs
- Laboratory Analyzers
- Continuous Emissions Monitors
- TOC Analyzers



## MODEL NUMBER ORDERING



## (Factory Assigned)



**Note:** Inlet flows and outlet flows shown above are maximum capacities and should not be exceeded for best performance. No inlet or outlet flow regulation is installed on the adsorber/dryer and must be provided by the user. Purge flow is regulated by an integral fixed purge orifice. Capacities are based on inlet conditions of 70°F, 100%RH, normal ambient CO<sub>2</sub> levels of approximately 375 ppm. Outlet concentration of CO<sub>2</sub> will be less than 1 ppm and outlet dew point better than -100°F. If your flow, temperature, or pressure are different from above, consult factory for performance.

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



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