

# CO2 TRAP

## Series 6400

### DESCRIPTION

The 6400 Series carbon dioxide trap is designed to remove CO2 gas from air, argon, helium, hydrogen, or nitrogen. The trap body is constructed of borosilicate glass with nickel plated end fittings with stainless steel sintered frits.\* The absorption media is a formulation of sodium hydroxide and calcium hydroxide with an high absorptive capacity and indicating properties. Typically, this material will absorb 15-20% of its weight in carbon dioxide before the material is saturated and needs to be replaced. Replacement is indicated when the normally white color of the material turns violet. If moisture is detrimental to your system, a moisture trap should be installed down stream from this unit to adsorb water evolved from the absorption of the carbon dioxide (see page 69.)

\*Units with stainless steel fittings are also available. Add "SS" to part number.

### FEATURES

- Removes carbon dioxide to less than 0.5 ppm.
- Inlet and outlet fitted with 40 micron stainless steel frits.
- Reaction with carbon dioxide indicated by color change from white to violet.
- Inlet and outlet connections are 1/4" or 1/8" stainless steel compression fittings.
- Operating pressure: 125 psig max.
- CO2 removing capacity:
 

6410	45 grams CO2
6425	90 grams CO2
- Dimensions:
 

6410	1.5" O.D. x 12.5" long
6425	1.75" O.D. x 16.5" long

### HOW TO ORDER

Model	Description	End Fittings
6410-2	carbon dioxide trap - 100 cc	1/8" compression
6410-4	carbon dioxide trap - 100 cc	1/4" compression
8012C	mounting clip for 6410 trap	
6425-2	carbon dioxide trap - 250 cc	1/8" compression
6425-4	carbon dioxide trap - 250 cc	1/4" compression
8040C	mounting clip for 6425 trap	



8012C  
Mounting Clip



8040C  
Mounting Clip



Gas traps should be mounted in a vertical position to ensure proper contact of the gas with the adsorbent. Use model 6400C or 8040C mounting clip with 6400 Series carbon dioxide trap.