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INSTRUCTIONS FOR USING THE WCS Euthanasia Chamber

INDIVIDUAL COMPONENTS:

- Euthanasia chamber with viewing window & hose
- CO2 regulator (sold separately)
- Tank Clamp (sold separately) 20 lb or 50 lb available
- CO2 cylinder (typically purchased or leased at a Welding Supply Company)

ASSEMBLY:

1. Screw ¼" pipe fitting end of hose into the fitting on the side of chamber
2. Connect the other end of the hose to the CO2 regulator
3. Connect regulator to CO2 cylinder

WARNING FOR OUTDOOR USE or USE IN WELL-VENTILATED AREAS ONLY!!!

INSTRUCTIONS:

1. Remove cover, Place trap with animal into chamber and put cover back over unit
2. Open valve on CO2 tank and turn increase/decrease knob on regulator so that gauge registers between 12 and 15 CFH (outside numbers). (optimal flow rate displaces 20% of the chambers volume per minute).
3. Size and number of animal(s) in chamber will vary the time required for death. The viewing window allows for frequent monitoring of the process. In general practice, within 7 to 10 minutes, check to make sure animal is unconscious. If so, shut off gas and leave animal in CO2 filled chamber for an additional 10 to 20 minutes. Check for breathing. If animal(s) are not dead, repeat steps.

How the unit works:

The unit is NOT airtight by design. It is designed to allow the flow of CO2 to displace the air in the chamber causing death by Hypoxia (lack of oxygen).

Why would you want to dispatch using CO2?

- Dispatch by CO2 is an AVMA approved method
- Minimized pain, stress and anxiety to the animal
- Rapid unconsciousness
- Reliable method

Euthanasia Chamber – Proper CO2 Delivery

Optimal flow rate of CO2 displaces 20% of a Chambers volume per minute. (Air is displaced equally per minute with CO2 over the 5 minutes)

Flow meters are typically calibrated in cubic feet per hour.

You can calculate the appropriate flow rate for any sized box using the formula below. Our example of how to calculate the flow rate for a particular box size uses the measurements for the WCS Euthanasia Chamber.

Example Box Size is: 14”H x 13”W x 38”L

Step 1: Convert box size to cubic feet - *Formula - H/12 x W/12 x L/12*

14”/12 x **13”/**12 x **38”/**12 = 1.166 x 1.083 x 3.167 = 3.999 cu. ft.

Step 2: Convert 5 minutes into hours

5/60 = .0833

Step 3: Divide cubic feet by hours

3.999/.0833 = 48.00 cu. ft per hr using a Flow Meter

When using a Flow Meter 48.00 cubic feet per hour for 5 minutes represents the optimal flow rate for the size chambers in our example. If not using the WCS Chamber, measure the box that you are using and calculate the correct flow rate for your chamber.