Odor Control System

for Buildings with 6 - 10 Floors

Installation & Specifications

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Introduction

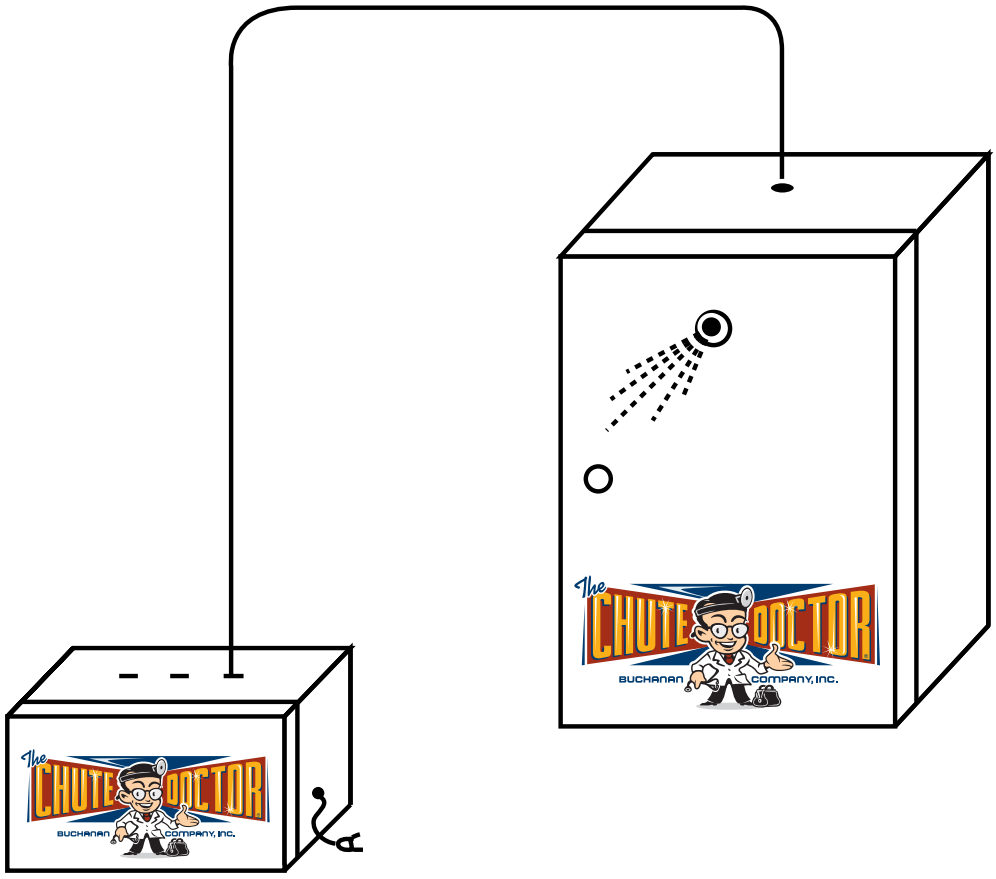
The Chute Doctor Odor Control System is the latest in odor control equipment. The new systems have recently been redesigned and redeveloped and proven to be more efficient and cost-effective than ever before. At the heart of every system is a control unit which can operate between one to three spray units.

Each control unit contains its own programmable timer which controls the spray interval and duration. When a pre-determined timer setting is established, a fine mist of odor control solution is dispensed. The solution permeates the atmosphere and eliminates all airborne and surface odor molecules.

The frequency of spray is adjustable in one minute increments from one to ten minutes. The duration of the spray can be programmed in one second increments from one second up to ten seconds. These timers can also be easily converted to accommodate a spray length (duration) of two - twenty seconds.

The systems are designed to work unattended on any area organic odor that is a problem. Popular applications include: garbage and compactor rooms, washrooms, hallways, locker rooms, smoking rooms, waste transfer stations, wastewater facilities, compost areas and any other sites where odor is a problem.

The following pages offer examples of standard installations. The design of this system allows for the utmost versatility to combat and eradicate any organically based odor problem.



Control and Spray Unit Specifications

Control Unit

The LCU control unit operates one spray unit. Each unit consists of a solid state timer and a medical-type oilless compressor housed within a cabinet. The cabinet is manufactured of 18 gauge removable steel with a protective outer coating of white enamel. Left hand hinged doors are fitted with key locks for security.

Cabinet Dimensions: 36 x 29 x 26 cm (14.25 x11.25 x 10.25 in)

Electrical Requirements: 120 volts, 4.5 amps or 220/240 volts

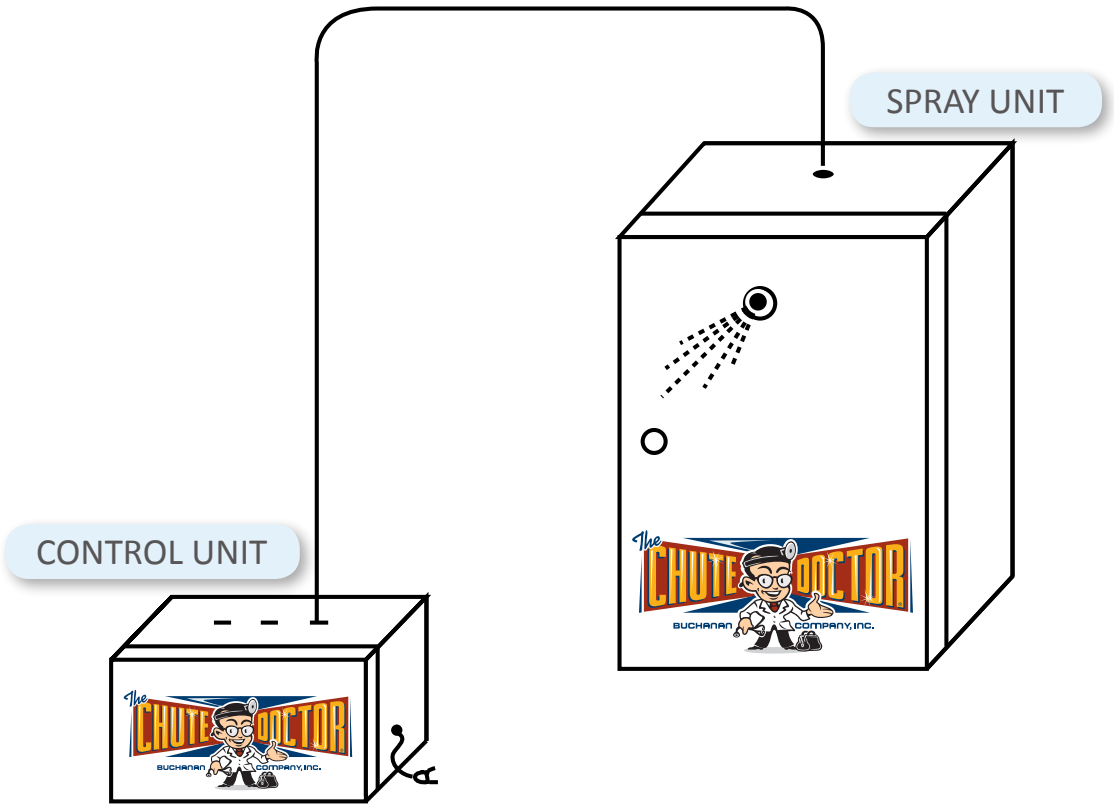
Weight: 13 kg (28 lbs)

Spray Unit

The spray unit has the capacity to store 22 litres of odor control solution. It is designed to neutralize odors in an area up to 20,000 cubic feet in volume. The spray unit weighs 9 kg (20 lbs) and is 50 x 34 x 25 cm (19.5 x 13.25 x 10 in) in size. The spray unit is standardly used in garbage and compactor rooms.

Dimensions: 50 x 34 x 25 cm (19.5 x 13.25 x 10 in)

Weight: 9 kg (20 lbs)



Standard Settings & Odor Control Solution Consumption

The heart of every Chute Doctor dispensing system is our medical oilless compressor, specifically built for Chute Doctor. The amount of air flow from the compressor to the nozzle controls the amount of odor control solution dispensed per second at spray time by the spray nozzles.

The control unit compressor delivers sufficient air flow to atomize and spray 0.25ml of odor control solution for each second of spray time from the spray units.

Experience has indicated that the average garbage room requires a five second spray of odor control solution every five minutes to control the garbage odors.

With this setting and our control and spray unit, the odor control solution will last sixty days.

To calculate how long the odor control solution will last, you first multiply the number of seconds of spray time by 0.25ml. Then multiply the total milliliters used per spray by the number of sprays per hour. Then multiply the hourly total by 24 hours for the total milliliters used in a twenty-four hour period. Divide this total of milliliters into 22,000 (the capacity of the spray unit) and you will have the number of days that the 22 litres will last.

Example for five seconds spray every five minutes:

5 seconds x 0.25ml = 1.25ml

1.25ml x 12 sprays per hour =15ml

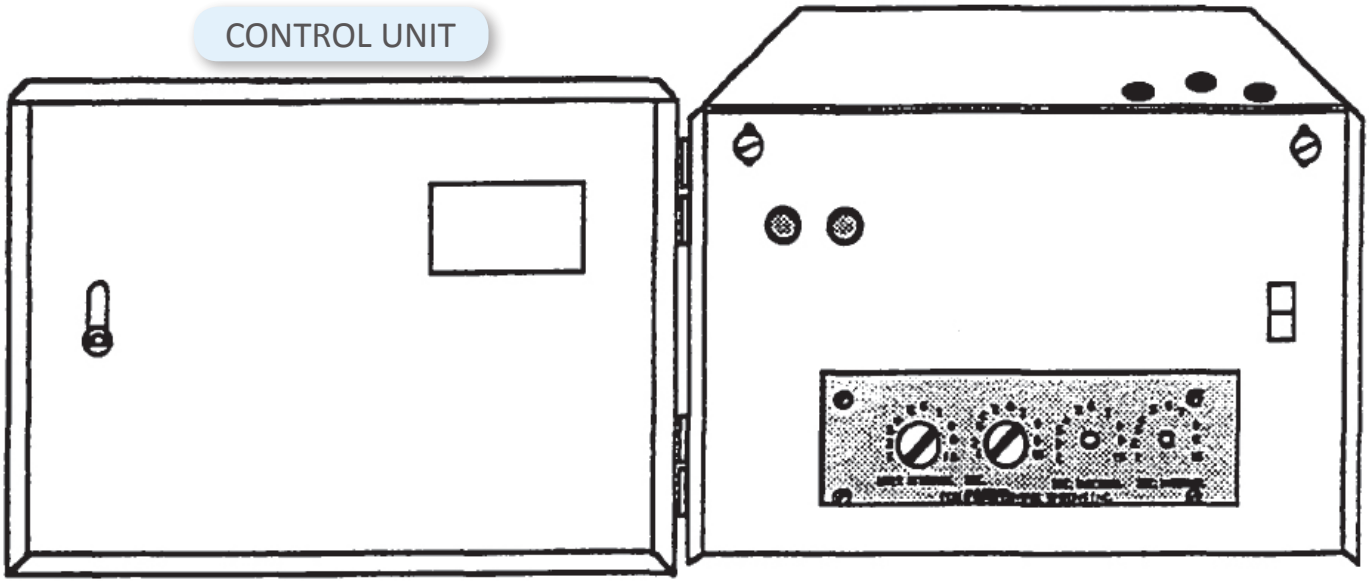
24 hours x 15ml = 360ml

22,000ml (22L) + 360ml = 61.1 days

Installation

INSTALLATION STEP 1

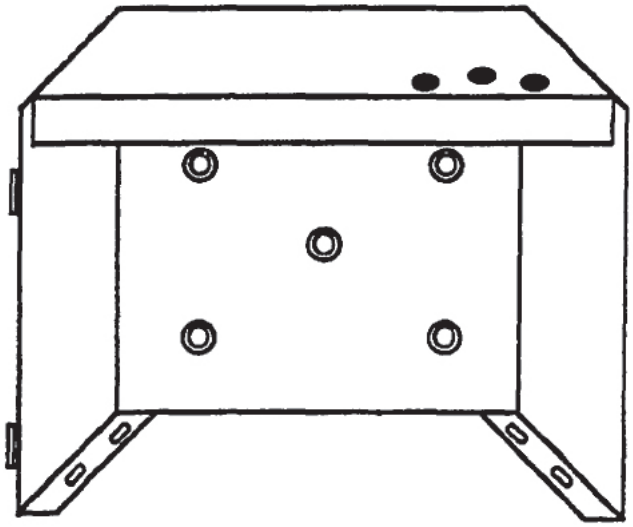
1. Unlock the door using the key provided.
2. Open and then remove door by lifting the door up and off the hinge.
3. Remove the six # 1/4 -20 machine screws, two located on the top front of the interior panel and four located on-the bottom of the enclosure.
4. Lift out the interior equipment pan.



INSTALLATION STEP 2

1. Locate the control mounting position adjacent to the electrical outlet and while holding the enclosure against the wall, mark the mounting hole locations using the,mounting holes as a guide.
2. Drill five (5) holes on the wall as marked.
3. Insert the wall plugs into the holes.
4. Position and fasten the enclosure to the wall by using quantity 5 #10 x 1 ½" type "A" self tapping screws.

   NOTE: Use wall plugs for concrete walls and toggle bolts for dry walls or any other approved wall fastener.

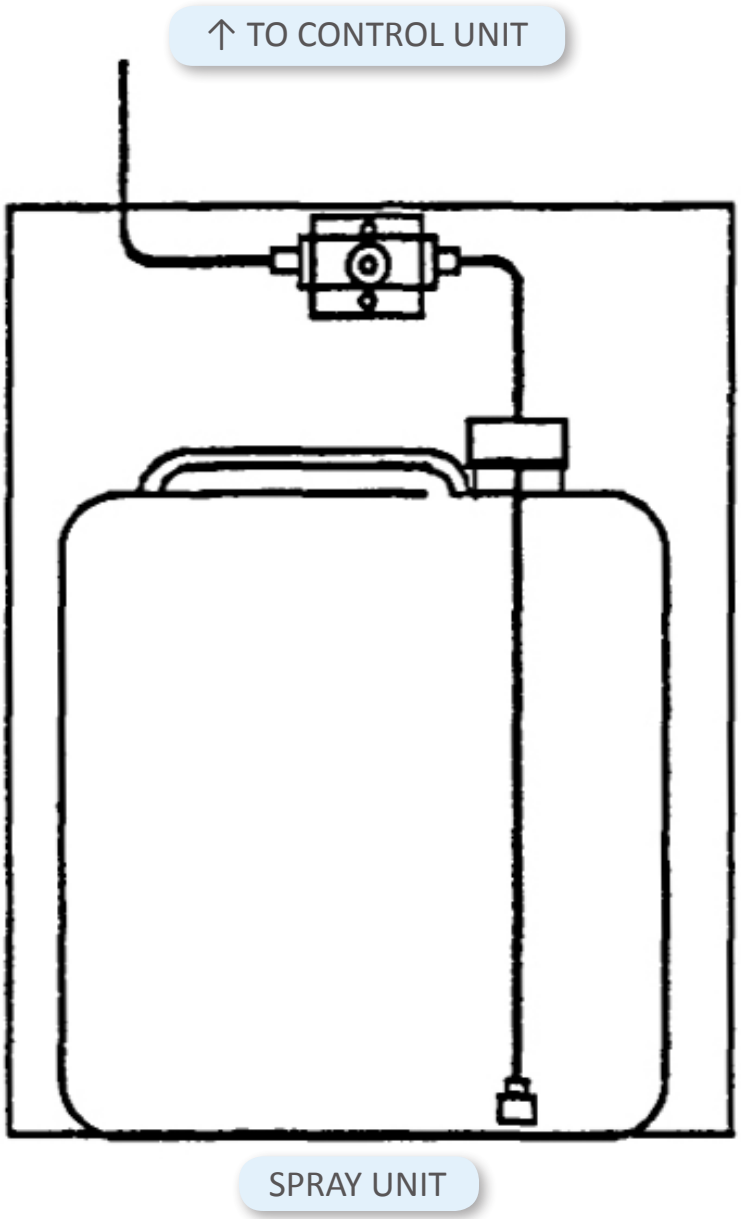


ELECTRICAL OUTLET AS REQUIRED

INSTALLATION STEP 3

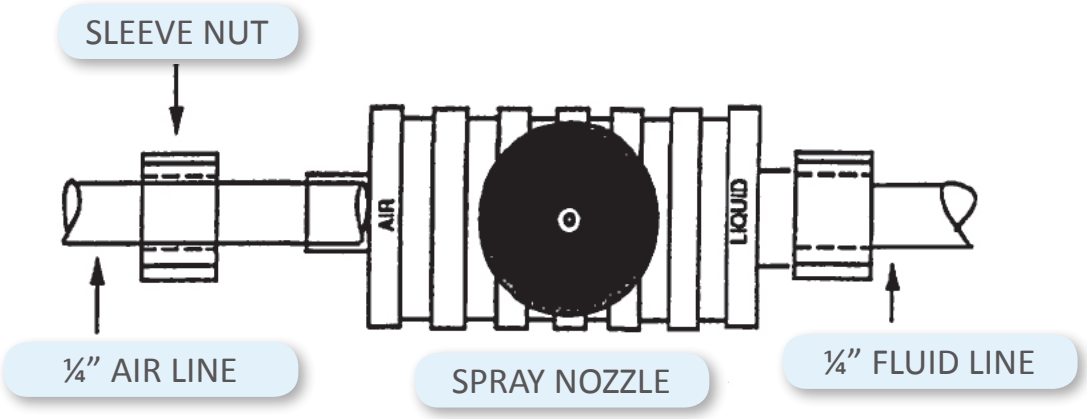
1. Unlock the spray unit and remove the solution bottle.
2. Locate the satellite spray unit mounting position while holding the enclosure against the wall and mark the mounting hole locations using the mounting holes as a guide.
3. Drill required number of mounting holes on the wall as marked.
4. Insert the wall plugs into the holes.
5. Position and fasten the enclosure to the wall by using #10 x 1 ½" type "A" self tapping screws.

   NOTE: Use wall plugs for concrete walls and toggle bolts for dry walls or any other approved wall fastener.



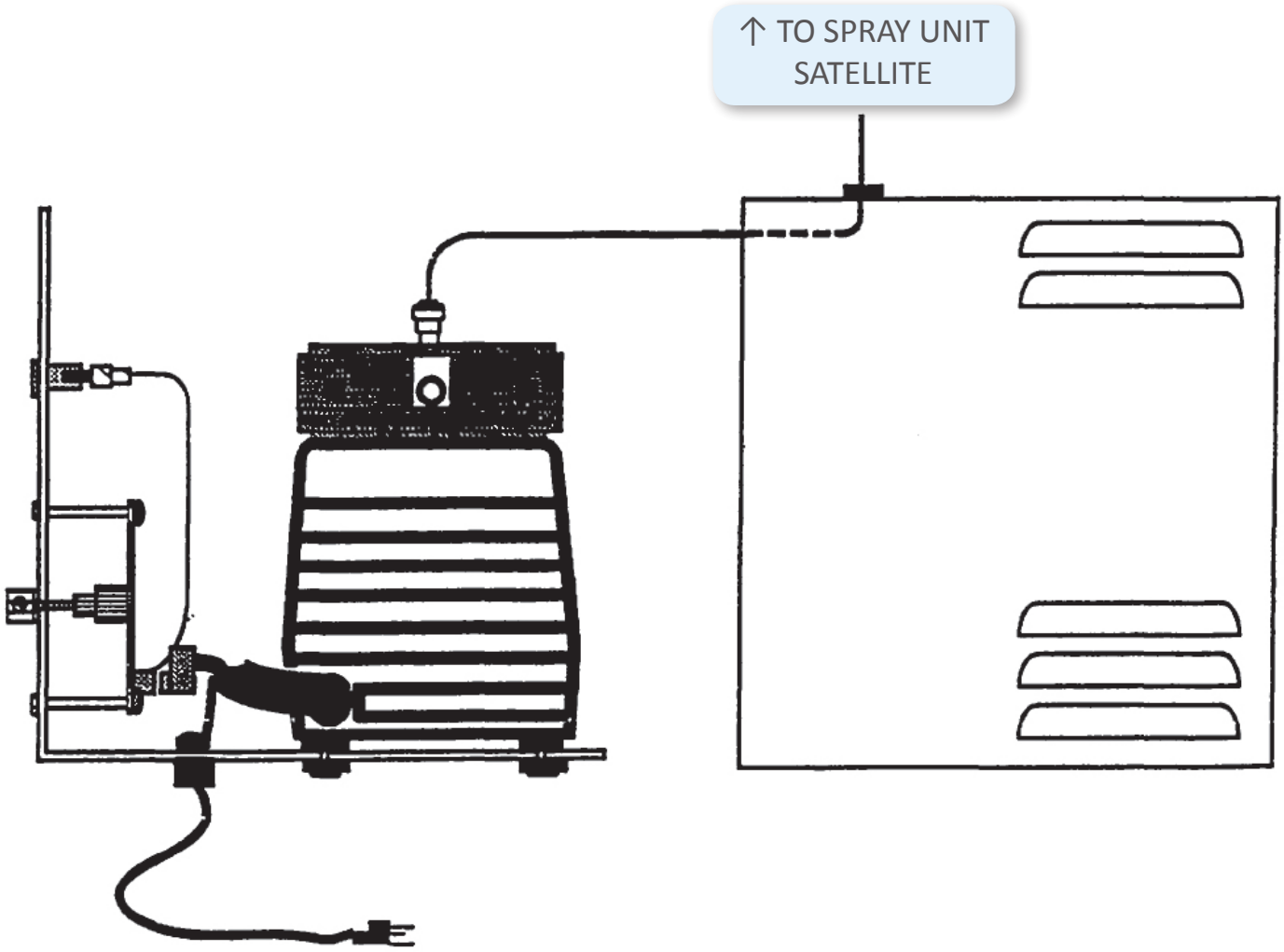
INSTALLATION STEP 4

1. After mounting the satellite unit in the desired location run the ¼" hose line from the satellite to the Control Unit.
2. Insert the air hose in through the rubber grommet on the top of the spray unit, push the hose end through the sleeve nut, firmly position it into the air fitting of the nozzle, and then tighten the sleeve nut.
3. Secure the air line to the wall and/or ceiling using appropriate clamping devices.



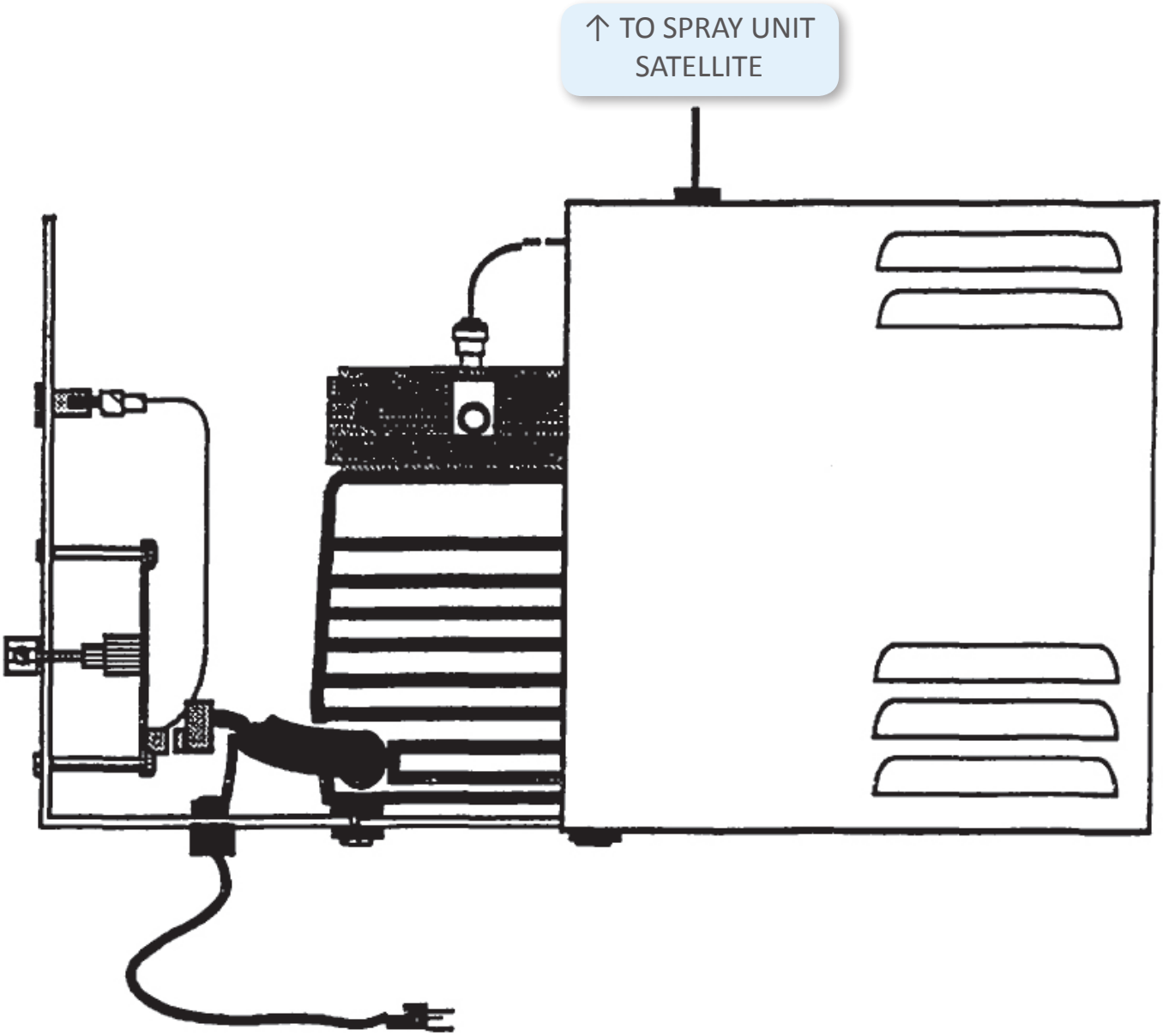
INSTALLATION STEP 5

1. Feed the loose end of the air hose through the grommet hole on the top of the enclosure.
2. Connect the air hose to the fitting threaded to the compressor.



INSTALLATION STEP 6

1. Slide the interior equipment pan inside the Control enclosure while gently pulling the excess air hose(s) through the top of the enclosure to avoid kinking the air hose.
2. Fasten the interior equipment pan to the Control enclosure using quantity 6 of ¼" - 20 machine screws.



INSTALLATION STEP 7

1. Connect the cord set to the correct power supply.
2. The red light illuminates indicating the unit is ready to test or operate.
3. To test the unit, set the second knob from the left to 10, turn the first knob on the left to 10 then back to 5. The unit should run and the satellite should spray.
4. If the unit does not start up and spray, referto the maintenance and service instructions for information on how to to troubleshoot the system.
5. After final test set the unit to desired settings. (See page 5 for recommended settings.)