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PRODUCT GUIDE FOR

SIFATL Fume Arm

This manual is designed to inform the user about the proper assembly and use of the device. The user is advised to get fully acquainted with the contents of the manual before installation of the device and to handle the device according to the manual.

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General

The SIFATL6000 Series Fume Arm is a self-supporting arm, which is the best technical extraction solution for source collection of fumes and air born dust. Our design has no internal obstructions that can create turbulence and interference points. The hose ducting is kept to a minimum to reduce high friction loss and potential wear, which can be associated with such hose.
The SIFATL6000 Series is designed for ease of use for the operator. With the infinite number of fume hood positions, the operator can accurately place the hood where it will be the most effective.
The SIFATL6000 Series Fume Arm can be used individually or in a group to an extraction fan or filter system.

Air requirements

Ventaire recommends 600 to 700 CFM of air for maximum suction efficiency to capture fumes produced from general welding. A damper, located near the fume hood, allows for even greater air control.

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For moving, lifting, handling and installing the SIFATL6000 Series Please ensure you use "SAFE WORK PRACTICES" AND PRECAUTIONS.

Installation Instructions

The SIFATL6000 Series Fume Arm comes assembled in a cardboard box. Please inspect the fume arm, rigid duct adapter (attached to the arm) and the tension spring for any damage.

1. Attaching the wall bracket

Place the wall bracket above the center of the working area. The typical mounting height is between 6' 4" to 11' 8" above the floor. Review the surrounding area around the fume arm where it may contact obstruction, such as light fixtures or sprinkler heads.
The wall bracket must be secured to a rigid structure. Use a level to ensure that the wall bracket is level before securing in place. It is important that the wall bracket be level so that the arm will not move from the gravity.

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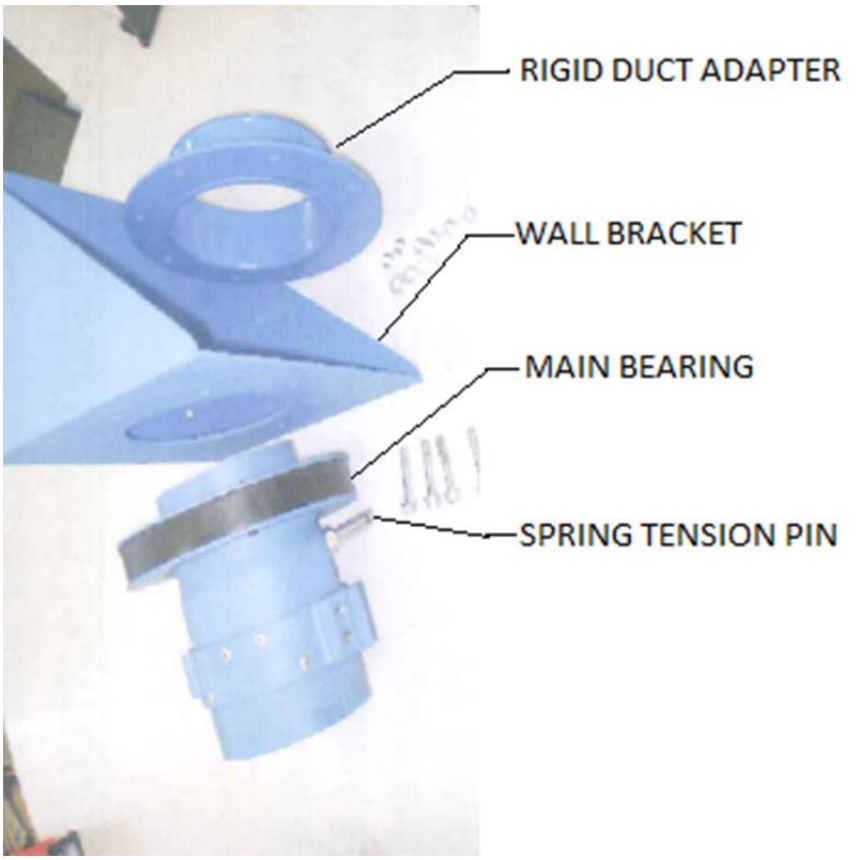
2. Mounting the fume arm to wall bracket



a. Remove the large mounting bolts, washers, and nuts from the main bearing. (Do not remove the button head cap screws. These retain the bearing race)

b. Place the pipe adapter on the top of the wall bracket and the fume arm below the bracket.

c. Replace the bolts and secure the nuts being careful not to deform the plastic bearing race.

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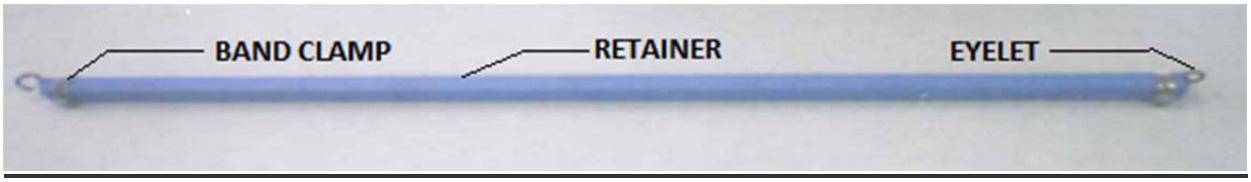
3. Attaching the spring



a. The spring retainer must be facing down for ensure easy removal. (Note: 2 people required) Attach the spring eyelet and the safety cable to the spring tension pin below the main bearing. Lift the arm until the spring aligns with the spacer and attach to the clevis, pin located near the center joint.
b. Caution should be exercised that the arm will not swing up, when the arm is released. Save the spring retainer and band clamps in the event that the fume arm might may need to be disassembled in the future.
c. Pull down on the center elbow gently until some movement can be seen in the spring spacing. While holding the arm in place, remove the band clamps from the spring, retainer and carefully remove the retainer from the spring.

4. Assembling the safety cable

a. Remove the cable clamp at one end of the cable assembly.
b. Carefully push the cable through the center of the spring. (Tape the end of the cable to minimize the strand ends from fraying)
c. Wrap the cable around the fume arm clevis and reassemble the clamp in the same area it was previously clamped.
d. Allow the excess cable to protrude out the end of the spring.

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5. Tensioning the fume arm

Center Pivot Main Pivot Hood Pivot

a. Tighten all the pivot points until equal resistance is felt at all points.
b. Move the fume hood downward in short an intervals, releasing the hood to verify the hood remains stationary. If not, note which pivot is slipping and tighten both nuts. Position the arm section, without the spring, parallel to the wall bracket and slowly raise the fume hood in short intervals and release, to ensure the hood remains stationary when released.
c. With the center pivot hinge at a perpendicular to the wall, hold the fume hood in a straight line. Slowly and equally tightening both center pivot nuts until the fume arm remains in place when released.
d. Keep the fume hood at a right angle to the wall bracket; slowly tighten the main pivot nuts near the elbow until the fume arm stays in position when released.

6. Positioning the fume arm

a. When placing the arm into position use the bracket under the fume hood. The handle on the fume hood is only for positioning.

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12-MONTH WARRANTY

VENTAIRE warrants their products, to the original purchaser, to be free from defects in material and workmanship under normal use and service (except for those cases which buyer supplied materials are used) for a period of 12 months from the original date of shipment. During the warranty period, **VENTAIRE,** will at its option, repair, replace, or issue credit for any components that are deemed defective by **VENTAIRE**.

Buyer's failure to pay the full amount due within (60) days of invoice shall release seller from any and all liability or obligation to any warranty.

Before returning equipment for repair or replacement, a **Return Authorization Number** must be obtained from **VENTAIRE** (952-894-6637). The **Return Authorization Number** must be written on the outside of all shipping cartons. Items returned without a **Return Authorization Number** will be refused. Items returned should be in original condition in which it was received and must be accompanied with a written explanation of the reason(s) for their return.

This warranty does **not** cover damage caused by accident, misuse, misapplication, or unauthorized service modification.

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