Fume Hood Installation Information

Installation Instructions – Airfoil Style Hoods EH series 100, 500 and HP

To prevent damage and insure a properly installed Fume Hood, please follow the simple instructions below to unpack and install the Fume Hood.

1. Un-wrap the Fume Hood.
2. Remove airfoil from the top of the Hood. DO NOT DISCARD. The airfoil will be installed in step 8.

3. In the rear of the Fume Hood, check that the sash cables are on the pulleys and that the cable keepers are in place.
4. Remove the wood cleats in the weight guides that support the sash counterbalance weight during shipping.

5. Remove 2 screws from the back frame where the Fume Hood is attached to the skid.
6. In the front of the hood, remove one galvanized shipping clip from each side of the sash opening. The clips will be used in step 9.

![Image of the front of the hood with a shipping clip removal](image)

7. Lift the Fume Hood onto the countertop. The front should overhang the countertop 4” to 4 ½” to allow enough clearance to easily align and install the air foil.

![Image of the Fume Hood being lifted onto the countertop](image)

8. Secure the air foil to the underside of the post with the 8 screws provided. Then slide the hood back until the air foil contacts the countertop.

9. Using the shipping clips removed in step 6 secure the fume hood to the epoxy top.

![Image of the fume hood being secured to the countertop](image)

Secure one side of the hood to countertop through the interior access panel. Then secure the other side. This will help insure that the hood is square and plumb, however, double check for square by measuring from corner to corner.
10. Remove the blue shipping tape from the inside of the fume hood sash and remove the black protective shipping tabs.

If the hood is not set in place squarely the fume hood sash will not operate properly.
Securing the hood base to the counter top option:

1. Remove the access panel on the inside of the hood.

2. There are two pre-tapped holes where the hood is secured to the transport crate with wood screws.

3. Choose the appropriate size and make of screw to secure hood to the counter top you have chosen. Screw sizes and models will differ for the variety of surfaces.
**STEP 1**  
ROUGH-IN PLUMBING AND POWER WHERE REQUIRED

**STEP 2**  
SET CABINETRY AND WORK SURFACES

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**GLUE AND FASTEN EPOXY OR STAINLESS STEEL COUNTERTOP TO TOP OF BASE CABINETS—KEEP LEVEL AND SQUARE MAKE SURE TOP IS SECURE**

**SECURE BASE CABINETS IN PLACE MAKE SURE SQUARE, LEVEL AND PLUMB**

**STUB UP EITHER FLUSH WITH WORK SURFACE OR JUST ABOVE CAREFUL TO NOT GO TO HIGH IT WILL BE HARDER TO GET THE FUME HOOD IN PLACE MAKE SURE WORK SURFACE IS CLEAN BEFORE ATTACHING HOOD**

**TYPICAL PIPE RUN FROM BELOW**

**PIPE CHASE AREA**

**FLOOR LINE**

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**DIMENSIONS:**

- 30" Width
- 1 1/4" Height
- 22' to 7' Distance
Seismic Mounting Bracket:

16 GA BACKING
BY DIVISION 9

3" x 6" x 14 GA GALV CLIP ANGLE x 8" LONG
ATTACH TO WALL w/#12 x 2" HEX HD TEC
SCREWS

ATTACH CLIP ANGLE TO FUME HOOD
REAR SUPPORT w/#12 x 1-1/2" TEC SCREWS
2-PLACES

REAR SUPPORT
(FUME HOOD STRUCTURE)

GYP BOARD

DETAIL A
SEISMIC INSTALLATION BRACKET

NOTES:
2-BRACKETS REQUIRED PER HOOD UP TO 6 FEET LONG
BRACKETS ARE POSITIONED AND ANCHORED BY INSTALLERS ON SITE
THIS DRAWING FOR MINIMUM ANCHORAGE ONLY
THIS DETAIL MAY BE SUPERCEDED BY CASEWORK INSTALLERS
STEP 3  SKID REMOVAL/ UNPACKING

REMOVE ALL PLASTIC WRAP, CARDBOARD AND PROTECTIVE MATERIALS—INSPECT HOOD FOR ANY HIDDEN DAMAGE

AIRFOIL OR TROUGH MOUNTED TO TOP OF HOOD, REMOVE BEFORE SETTING HOOD—(ATTACH TO BOTTOM OF POST—SEE STEP 4)

SASH COUNTERWEIGHT

WEIGHT GUIDE

RUBBER WEIGHT BUMPERS—DO NOT REMOVE

REMOVE WOOD BLOCKING CLEATS FROM WEIGHT GUIDES. (MAKE SURE CABLE STAYS ON PULLEYS)

REMOVE WOOD SCREWS FROM REAR OF HOOD AT BOTTOM (2-PLACES)

TYPICAL WOOD SKID FOR MOST MODELS
RAISE SASH TO ACCESS HOLD DOWN CLIP—REMOVE WOOD SCREW FROM CLIP—LOosen THE POLYCAP SCREW ENOUGH TO REMOVE THE GALVANIZED HOLD DOWN CLIP (KEEP CLIP FOR ATTACHING AIRFOIL SEE STEP 7) TIGHTEN THE POLYCAP SCREW BACK INTO THE POST. TYPICAL BOTH SIDES
STEP 4A  SETTING HOOD

**Frame has holes for fastening hood onto countertop; these can be accessed thru the access panel from inside the hood or by removing the exterior side panels.**  Remove the (2) #8 tek screws that hold the panel down—then just lift up and off.  Drill into countertop 9/64" dia then use a #8 x 5/8" ss sms and secure hood to deck—typical both sides—note: use a masonry or carbide bit to drill epoxy.

Make sure hood is pushed tight to work surface before securing.  Square hood up and make sure sash operates smoothly.

**Fasten galvanized clip to front of epoxy top in same manner as hood.**

**Junction box**

**10" dia ss exhaust collar**

**4-3/4" open chase area for wiring and piping**

**Typical both sides**

**Self tapping tek screws hold side panel down.**
STEP 5

HVAC AND ELECTRICAL CONNECTIONS

Run HVAC down to fume hood
Make connection as req'd
Once complete check for leaks

This portion to be completed by the appropriate trades only

Duct connection material is determined by application

Main power single point of connection into "J" box
Single phase 20 amp circuit

4-3/4" open chase area for wiring and piping
typical both sides

10" dia SS exhaust collar

Junction box
STEP 6
PLUMBING CONNECTIONS

FOR PRE-PIPED FUME HOODS

GENERAL INFORMATION:

FUME HOOD SERVICE LINE CONNECTIONS FOR WATER, WASTE, GAS, AIR, VACUUM AND OTHERS WILL VARY, DEPENDING ON THE POINT OF ORIGIN AND NUMBER OF SERVICES BEING PROVIDED.

SERVICES MAY BE BROUGHT UP FROM BELOW, OR DOWN THRU THE CEILING INTO THE FUME HOOD CHASE AREA.

PRODUCT INFORMATION:

PRE-PIPING OF FUME HOODS INCLUDE PLUMBING FROM VALVE TO ELBOW OR TO TOP OR BOTTOM OF HOOD AS INDICATED.

PIPING MATERIAL IS AS FOLLOWS:
WATER PIPE- 1/2" TYPE "L" COPPER TUBING
AIR PIPE- 1/2" TYPE "L" COPPER TUBING
GAS PIPE- 1/2" TYPE "L" COPPER TUBING
VACUUM PIPE- 1/2" TYPE "L" COPPER TUBING

ALL TYPE "L" COPPER CONNECTIONS & ELBOWS ARE MADE WITH VIEGA PRO-PRESS FITTINGS.

INSTALLATION INFORMATION:

PIPING AND CONNECTORS FOR FINAL CONNECTION TO BUILDING LINES ARE NOT FURNISHED. BECAUSE OF CODE REQUIREMENTS THEY SHOULD BE SUPPLIED BY RESPECTIVE TRADES.

EXTERIOR SIDE PANELS MAY BE REMOVED FOR EASE OF PLUMBING CONNECTIONS REPLACE AFTER MAKING CONNECTIONS AND TESTING THE SYSTEM FOR LEAKS.