

# ScentBeat HVAC Unit Installation








Front View



Back View



## ScentBeat HVAC Packing List

	HVAC fragrance diffusion tube (40")		Brass tube connector
	Teflon tape roll		Wall bracket, drywall anchors & screws for mounting the Diffuser
	Stainless steel hose Clamp		6" Pitot tube with sheet metal screws
	Diffuser door lock key		

## Tools needed for the installation

- Drill
- Drill bit (3/8")
- Phillips Head Screwdriver
- Pliers
- Hose Cutter or Knife
- Level
- Wire cutter/stripper
- Two (2) wire lengths (insulated) for fan control

- Two (2) Butt wire splice terminals

**Determine the location where the ScentBeat HVAC unit will be installed.**

- Install on the “supply side” of the air handler, serving the area to be fragranced.
- DO NOT install on the “return side” of the air handler, as the air handler filter will trap and reduce the fragrance.
- The diffuser fragrance insertion tube should be installed “down stream” of any fire prevention sensors and air quality monitors (if present) in the air duct.
- Consider available power (standard 110VAC) for the diffuser, as well as where the fragrance diffusion tube will be inserted into the supply-side air duct.
- Consider diffuser accessibility, as the scent oil cartridge will need to be changed periodically
- The ScentBeat HVAC must be installed lower than where the diffusion tube is inserted in the air duct. This will allow any built-up fragrance oil in the diffusion tube to flow back to the ScentBeat HVAC cartridge when it’s not diffusing in the off cycle.
- **IMPORTANT:** *Failure to ensure a downward slope from the air duct insertion point to the diffuser may result in fragrance oil dripping into the air duct.*

**If mounting the diffuser to the wall, secure the included bracket to the wall.**

- Utilize the three holes in the middle of the wall bracket to secure it to the wall.
- The outside holes are where the ScentBeat HVAC attaches to the bracket. The wider part of these holes must be on the top of the bracket.
- Use a level to assure the ScentBeat HVAC will be mounted level on the wall.
- There are anchors and screws provided if needed. Fasten securely.



**The ScentBeat HVAC has a built-in fan control relay.**

- In the thermostat or HVAC control, you want to connect the Red 24V and Green Fan Control wires to the back of the ScentBeat HVAC relay (10A max).

You can connect to the thermostat fan control lines, or connect directly to the HVAC unit's Control Board at the Red 24V and Green Fan Control.

- You'll need to splice two additional wires (18 gauge, insulated; not included) to reach the ScentBeat HVAC diffuser. The additional wires are run from the thermostat or HVAC control, to the snap down connector on the back of the ScentBeat HVAC.
- **IMPORTANT:** *The Diffuser fan control is installed in parallel to the thermostat fan control. Diffuser fan control does not replace the thermostat fan control.*



- One of the wires is inserted into the top right orange snap down connector and the other is inserted into the bottom right snap down connector on the back of system.
- These added wires create the wiring loop that controls the HVAC fan when the ScentBeat HVAC is diffusing fragrance. This will not affect the HVAC system's normal operation, as the relay wires should be in parallel configuration to the thermostat.



### **Hang the ScentBeat HVAC on a nearby wall**

- If hanging the ScentBeat HVAC on the wall, use the round silver mounts attached to the back of the unit to hang it on the bracket shown above.
- **IMPORTANT:** *To avoid spills, we recommend hanging the diffuser on a wall, before installing the scent oil cartridge.*

### **Attach the diffusion head to the scent bottle and install it in the unit.**

- A key is included to lock and unlock the front door of the ScentBeat diffuser.
- Open the ScentBeat HVAC front door. On the right side is the diffusion head. Remove the diffusion head from the unit.
- Attach the diffusion head to the fragrance bottle, by carefully screwing it onto the bottle. Be careful not to cross-thread the diffuser head and the bottle.
- Ensure the diffusion head is screwed to the fragrance bottle as tight as possible, but aligned to fit in the unit.
- The small nozzle on the diffusion head should face the inside of the diffuser, fitting into the hole.
- Insert the diffusion head and bottle back into the diffuser.
- **IMPORTANT:** *Once the cartridge is installed, DO NOT TIP the diffuser, or fragrance oil will spill out.*
- Find the brass HVAC tube connector that came with the ScentBeat
- Use the Teflon tape provided to wrap around the threads of the HVAC tube connector.
- Screw in the HVAC connector to the top of the diffusion head. This is where the scent will be diffused out of the ScentBeat HVAC.
- The brass tube connector should be finger tight. Then, further tighten it with additional turns with pliers.
- **Important:** *Be sure not to over tighten.*

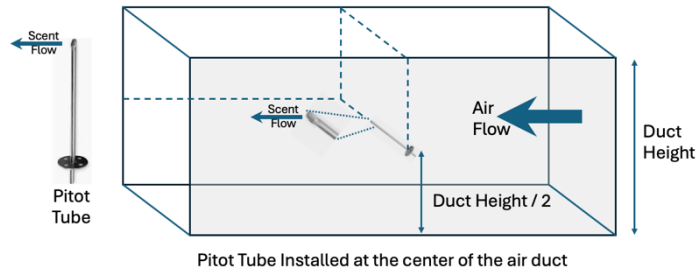


### Connecting the hose from the unit to the air duct.

*Attaching a pitot tube (included) is recommended, but not required.*

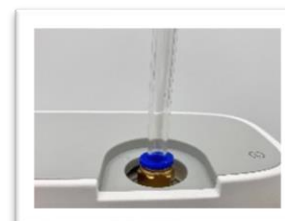
- Extend the diffusion tube to determine what length is needed to insert it into the air duct from the ScentBeat.
- Drill a hole half-way up the air duct using a 3/8" drill bit for the fragrance diffusion tube.
- **IMPORTANT:** *The fragrance diffusion tube should be installed "down stream" of any fire prevention sensors and air quality monitors (if present) in the air duct.*
- If you are not using a pitot tube, insert the diffusion tube into the hole, such that the length inserted is nearly half the depth of the air duct. Ideally, you want the fragrance to be diffused near the center of the duct's air flow.

- If you are using the recommended pitot tube (included), insert the pitot tube into the hole. The pitot tube opening **MUST FACE** the same direction as the airflow.



This ensures the scent will go **WITH** the airflow, rather than **AGAINST** it.

- **NOTE:** The pitot tube for scent is installed in the **opposite** orientation than is normally used for air flow sensors, when the pitot opening faces into the air flow.
- Use two to four sheet metal screws (included) to secure the pitot tube to the duct.
- Attach one end of the diffusion tube to the pitot tube and secure it with a hose clamp (included).
- Cut the hose to the desired length, so that it reaches from the air duct / pitot tube, to the brass hose fitting on the ScentBeat diffuser.
- If you are **NOT** using a pitot tube, be sure the tube length is long enough for the tube to remain inserted half-way into the duct. If it is too short, it may come out of the air duct. If you are using a pitot tube, this cannot happen, since the pitot and diffusion tube are mechanically attached to the air duct.
- **IMPORTANT:** Please ensure that the tube runs **DOWN** from the duct, to the diffuser, with **NO DIPS** where fragrance oil can accumulate. Dips and flat spots will allow fragrance to build up in the tubing which could restrict the output of the fragrance system, or cause fragrance oil to sputter into the duct.
- Connect the diffusion tube to the top of the ScentBeat's HVAC connector by inserting the tube into the center opening of the brass HVAC tube connector.
- Confirm a solid connection between the tube and the brass fitting, by gently tugging on the tube to ensure tube is firmly attached to the HVAC connector.
- To remove the diffusion hose from the ScentBeat HVAC, push down the blue plastic ring on top of the HVAC connector. While holding down the blue ring, remove the diffusion hose.



### **Power up the ScentBeat HVAC.**

- Insert the ScentBeat HVAC power supply in the back of the unit, and plug it into an 110VAC outlet to power up the diffuser.

### Connecting to the ScentBeat HVAC with the mobile app.

- Download the ScentSetter mobile app from your App Store.
- Through your hand-held device, use the ScentSetter application to connect to the ScentBeat HVAC unit via Bluetooth.
- Select the diffuser, and log in using the default code – 8888
- Once logged in, you can schedule run times and set the scent intensity and operating schedule (days and times to play scent). See the ScentBeat User Manual for details.
- You can change the name of the unit to indicate what room is being fragranced.
- You can set a new password by Clicking the About tab
- **IMPORTANT:** *Please refer to the ScentBeat User Manual for additional details on Mobile App features.*



Questions? See our FAQ and how-to videos at <https://scentbridge.com/resources>  
or email us at [info@scentbridge.com](mailto:info@scentbridge.com)