

Hair Salon Cleaning System

To the installer:
This central vacuum system is used to keep the Sport Clips playing field clean for its customers. With your help and our support we can build a system that is reliable and trouble-free. Take a few minutes to read this installation manual and see how easy it is to install.

Need Help?

Call 281-252-0075
For tech support



Table Of Contents

Inlet and Power Unit Locations P.2

Pipe Installation P.2

Equipment Installation P.3

Inlet valve Installation P.4

Sport Clips Central Vacuum

Overview

The Sport Clips Central Vacuum System installation is split into two stages, the rough-in and the trim-out. In the rough-in stage you will locate and install the inlet valve back-plates and install the central vacuum PVC tubing along with the low volt wire through walls and above ceiling tiles. In the trim stage you will mount the power equipment, install the inlet valves, install hoses, and test the system.

TOOLS REQUIRED:

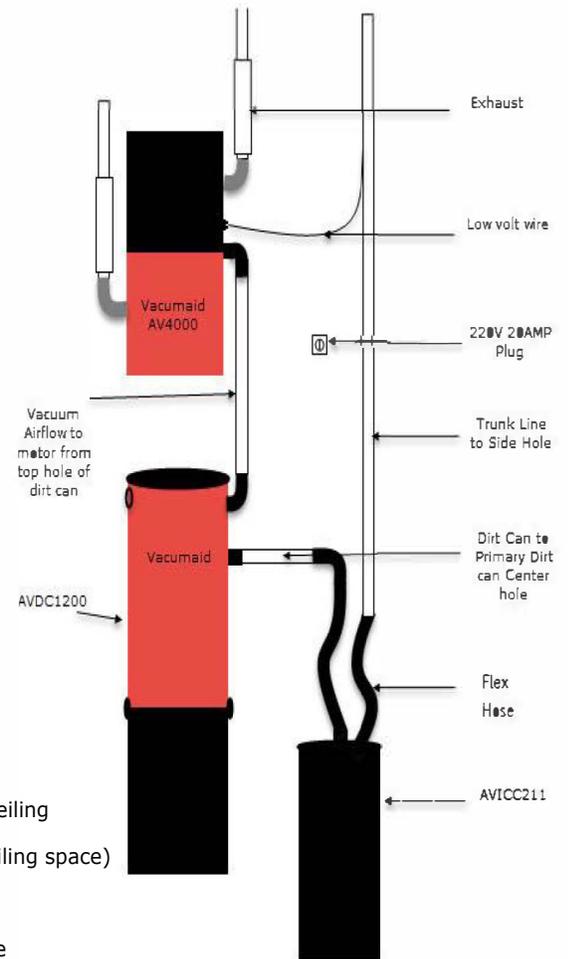
- 1/2" Right Angle Electric Drill
- 2 1/2" Hole Saw Bit
- Cordless Drill
- Small Hand Saw
- Pocket or Utility Knife
- Measuring Tape
- Screw Drivers (Philips and slot)
- 8 ft. Ladder
- Electrical Tape and Connectors

Installers MUST:

- *install the motors no more than 6" above the drop ceiling
- *vent each exhaust pipe to the outside (not above ceiling space)
- *vent each exhaust pipe separately
- *install blue filter in the bottom canister lid before use

Installers MUST NOT:

- *combine exhaust pipes into one exhaust outlet



Inlet and Power Unit Location

IMPORTANT NOTE:

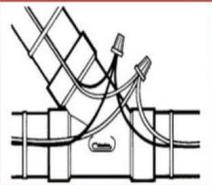
The vacuum motors need to be installed no more than 6" above the drop ceiling in the back room and the exhaust pipes for the motors need to specifically vent to the outside. Consult with your contractor on whether a vacuum exhaust pip can share a vent/roof penetration with another exhaust pipe.



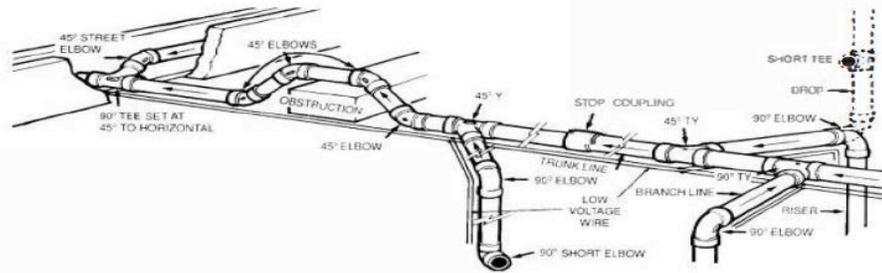
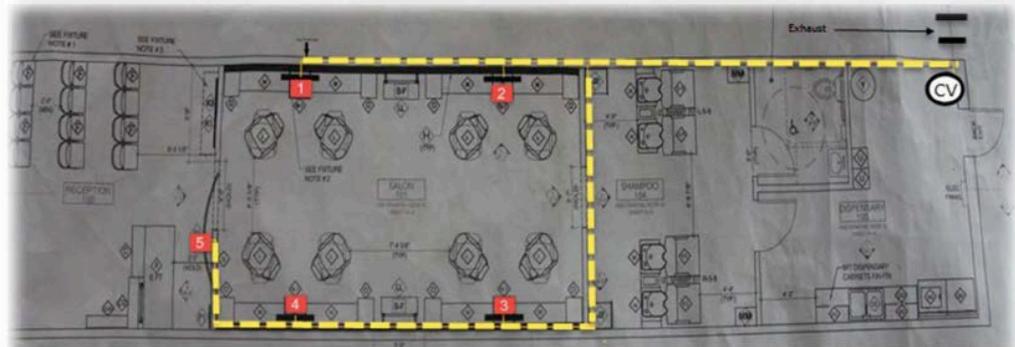
20 Amp 220V Outlet



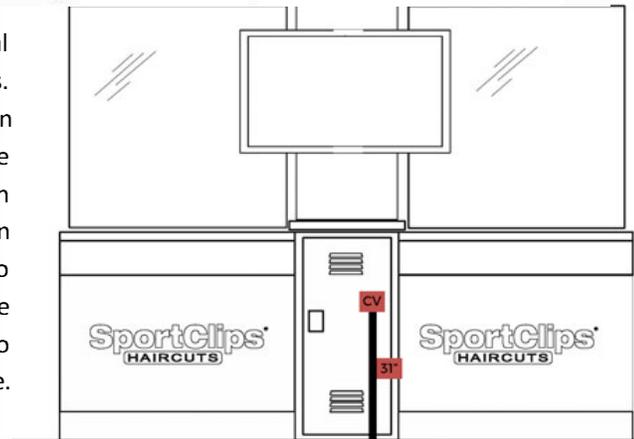
Short 90 degree elbow with back-up Plate



First, locate the inlet valves and power unit locations. Use the blue prints provide by the GC for a guide. Inlet valves are typically located inside the center lockers of each work station. Most Sport Clips have four inlets in the salon area with one inlet in the reception area. The power unit is typically located in the rear of the store in a mechanical room or utility room. The split system design allows the power unit to be installed separate from the dirt canister. Plan to install the Power unit above the ceiling tiles just above the two dirt cans. This will reduce the noise level in the work area. Once locations are identified, coordinate with the GC or electrician to provide a 20 Amp 240V electrical plug within 4 ft. of the desired power unit location



Next, mount the inlet back up plate to the metal stud by using sheet metal self-tapping screws. Mount the back-up plate 31" from the floor. Plan the path of the PVC tubing. To maximize the performance of the system use the shortest path between the inlets valves and the power unit, run the main trunk line with branch lines running to individual inlets. Use elbows and fittings provide to connect the tubing together. Use short go Degree elbows ONLY behind the inlet back up plate. Use PVC glue to bond each connection.



Use pipe clamp to support pipe against wall. Note: Fitting such as 90 degree Tee should point in the direct of air flow. In addition to the vacuum line, run two separate pipes to the exterior of the store for the power unit exhaust.

Once the tubing is complete. The next step is to run low voltage wire to each valve. The low volt wire is not included in the installation package. Use a two-conductor wire 18-22 gage. Wiring the system can be done in two ways. The first option is to run home runs to each inlet from the power unit. Second option is to run the wire in loop or series. Start at the unit and run one wire the farthest inlet and come back in and loop the pair of wire into each inlet. If splicing is necessary, make it at an intersection or in area that is accessible. Finally, use zip ties or electrical tape to tie the low volt wire to the tubing every four-six feet.

Equipment Installation



Low Voltage Wire Connections
Strip the wire, press the Quick Clips to the right and insert the wire into the holes.

Connecting Dirt Canisters



AVDC1200 Dirt Canister

AVICC211 Primary Dirt Canister

Exhaust for top motor

Exhaust for bottom motor

Metal 90 Degree Elbow

Pipe Connects Vac Unit Intake to AVDC1200 **A**

Low Volt Control Wire

Vac Trunk line to **D**

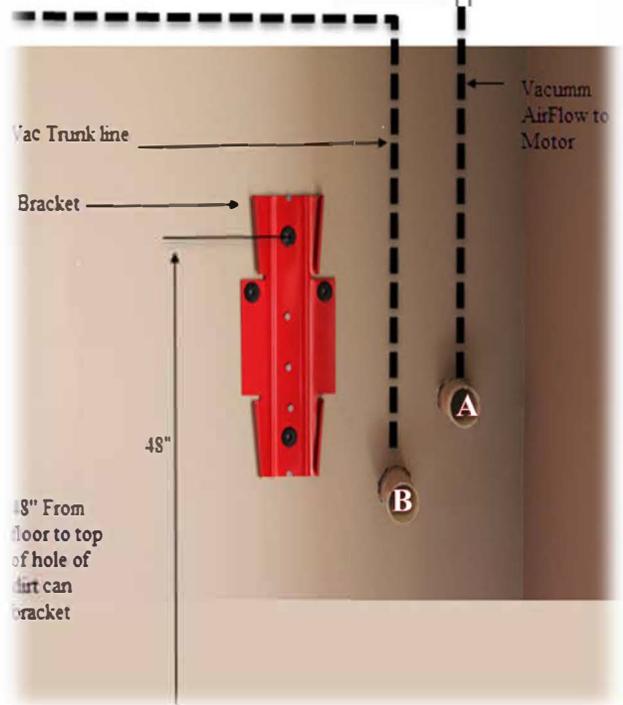
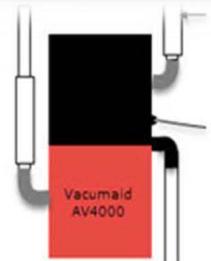


Stage 2: After walls are painted and lockers are installed you are ready to install the equipment. Start by mounting the power unit bracket to a stud. **DO NOT** mount to sheetrock only. IF necessary, use plywood to mount in between studs. Mount the Power Unit. Pipe the Power Unit to the AVICC211. Next, connect the low voltage wire to the power unit. Strip the low volt wire and insert into the Quick Clips on the side right side of the unit. Prepare and install the exhaust mufflers (See Exhaust section). Next install the AVDC1200 Dirt can bracket. Mount the bracket 48" from the floor to the top hole of the bracket. Use sheet metal self-tapping screws to mount the bracket to the metal stud. Next, Mount the AVDC1200. Connect the Vacuum Airflow from the motor to the top hole on the AVDC1200. If the opening is capped, remove the cap and install on the unused opening. Now connect the AVDC1200 to AVICC211 using the 2" flex hose (see Flex hose Section).

A: Power Unit Intake to AVDC1200 Top Hole.

B: Main Trunk line to AVDC1200 side hole **D**.

C: AVDC1200 Bottom hole to AVICC211 Center Hole



Flex hose and Exhaust Muffler Set Up



To set up the flex hoses to connect the dirt canister, cut a piece of flex to reach the connection. Cut two 5" pieces of vac pipe. Next, insert vac pipe into flex hose leaving 1-2" to connect a fitting. Repeat for the opposite end. Glue all connections.

Exhaust Muffler setup: Cut a 3-4" piece of vac pipe and glue to muffler. Next, connect the metal elbow to the vac pipe. Drill a .25-.5" self-tapping screw through the elbow where it slides over the vac pipe.

Use electrical tape to cover up seam.

Inlet valve installation

Install the inlet valves inside locker. If necessary, use sheet metal clippers to make the cut out around the backup plate. Strip the low volt wire and screw down each wire conductor to each contact on the backside of the inlet valve. Screw the inlet valve the backup plate.

Install Hose hangers on the right side of the locker. Use self-tapping 1" screw to screw the hose hanger to the side of the locker. Drill into the side of the counter for added support.

Mount the comb stop in the front left corner of the locker. See diagram to the left for correct placement. Use the screws provided (1" in length) to screw the plate to the side of the locker drilling into the side of the counter. Connect the low volt wires and plug comb stop end to the backup plate. Where the mounting plate overlaps with the side skirt of the cutting station counter, you may use longer screws into the station counter for additional strength.

Install the hose into the inlet valve to start the vacuum. Repeat, for inlets. Finally, test the System.



Important Installer Notes

Please be sure to read through this list to ensure proper installation

For stores sharing a building with a high-power draw tenant like a pizza place or tanning place, we recommend installing a surge protector to protect against power fluctuations.

Installers MUST:

- *install the motors no more than 6" above the drop ceiling
- *vent each exhaust pipe to the outside (not above ceiling space)
- *vent each exhaust pipe separately
- *install blue filter in the bottom canister lid before use

Installers MUST NOT:

- *combine exhaust pipes into one exhaust outlet

TROUBLESHOOTING/MAINTENANCE

If you are experiencing issues, please make sure you are performing regular maintenance. See the guide below:

1. Empty the canister daily.
2. Clean the blue filter weekly.
3. Replace blue filter every month.
4. Do not use plastic bags in the lower canister.

If you are experiencing any problems with the operation of the system, please call Airline Vacuum at the number below for troubleshooting assistance.

