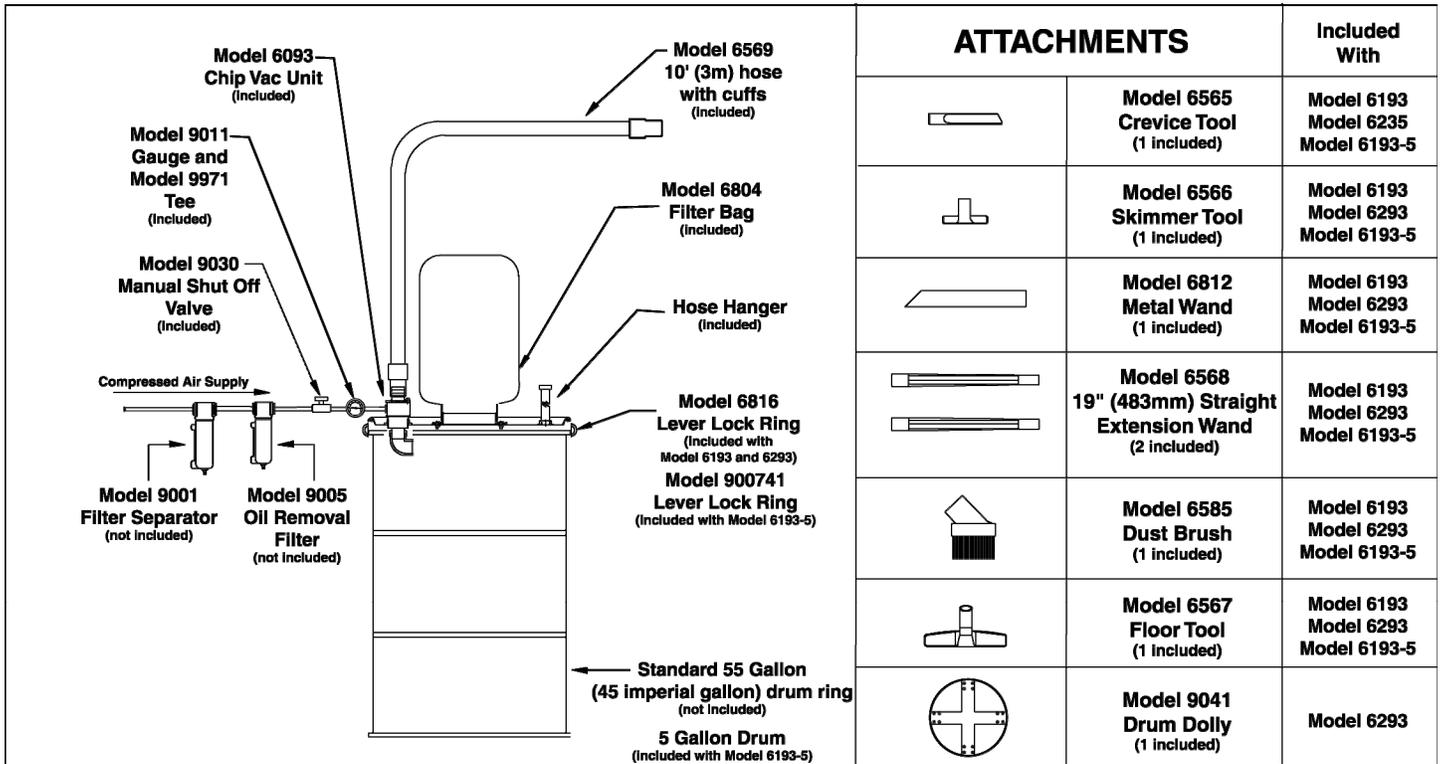


CHIP VAC™ INSTALLATION & MAINTENANCE



COMPRESSED AIR LINE SIZES

Compressed air lines should be sized to hold pressure drops to a minimum. When installing supply lines, use 1/4" pipe up to 25' (7.6m) long, 3/8" up to 50' (15.2m) long. Compressed air hose (not included) should be 3/8" I.D. up to 25' (7.6m). Do not use restrictive fittings such as quick connects that can "starve" the Chip Vac by causing excessive line pressure drop.

COMPRESSED AIR SUPPLY

The Chip Vac uses normal shop air supplies of 80 to 100 PSIG (5.5 to 6.9 BAR). With proper filtration and separation of dirt, moisture and oil from the compressed air supply, the Chip Vac will run for years with no maintenance required. Use a 10 micron or smaller filter separator on the compressed air supply (Model 9001 Automatic Drain Filter Separator not included). To prevent problems associated with oil, use an oil removal filter (Model 9005 Oil Removal Filter not included). The oil removal filter should be used downstream from the automatic drain filter separator. Filters should be used close to the Chip Vac, within 10 to 15' (3 to 4.6m) is best.

USING THE CHIP VAC

Use a steel, fiber or plastic open top 55 gallon (45 imperial gallon) drum that is in good condition (ANSI Standard #MH2-1997). A 5 gallon drum is included with the Model 6193-5 Mini Chip Vac System. To prevent material contamination, poly drum liners can be used with the Chip Vac.

The Model 6093 Chip Vac unit mounts into the large 2" NPT threaded hole of the drum lid. A threaded pipe to be used as a hose hanger mounts into the small 3/4" NPT threaded hole of the drum lid (not used on the Model 6193-5 Mini Chip Vac System). Secure the 0.1 micron filter bag to the flange in the middle of the drum lid with the band clamp provided. Place the drum lid with assembled components on top of the drum and secure with lever lock ring.

USING THE CHIP VAC (con't)

Connect the male thread of the pipe tee to the compressed air inlet of the Chip Vac unit (turn clockwise). Install the pressure gauge in the center 1/4" NPT female inlet of the pipe tee (turn clockwise). Attach the Model 9030 3/8" NPT manual shutoff valve to the remaining 3/8" NPT female tee opening (turn clockwise). Connect a compressed air hose (not included) from the filter to the shutoff valve. Slide the vacuum hose onto the barbed inlet of the Chip Vac unit. Insert a tool that best suits the application at the other end of the vacuum hose.

When compressed air is supplied and with valve open, the filter bag will inflate and Chip Vac is ready for use. Turn compressed air off when moving the drum lid from drum to drum.

VACUUMING FINE AND DUSTY MATERIALS

The Chip Vac System includes a 90° slip-fit elbow that should be attached to the bottom of the Chip Vac unit when vacuuming fine or dusty materials. Position the elbow so the exhaust is directed against the inside wall of the drum to create a cyclonic action. Larger chips will drop from the airstream to the bottom of the drum. The filter bag will trap lightweight contaminants that become suspended in the airstream.

TROUBLESHOOTING & MAINTENANCE

The Chip Vac has no moving parts. Maintenance is not normally required provided the compressed air filter is used properly.

Large pressure drops are possible across compressed air filter separators if the element is clogged with dirt. Pressure drops are considered excessive when the lower pressure affects the performance (reduced suction) in the application.

For replacement or repair filter and regulator parts, contact EXAIR at 1-800-903-9247 or techhelp@exair.com. Call (513) 671-3322 for outside the US and Canada.

CLEANING

A dirty filter bag can put back pressure on the Chip Vac, resulting in reduced suction. The reuseable bag should be removed and shaken over a waste container to remove bulk particulate. The filter bag can be washed in a manner suitable for delicate fabrics.

If contaminants have clogged the Chip Vac unit, disconnect the compressed air supply and remove all screws to disassemble the unit. Inspect each part for dirt contamination and a possible oil film on the flow generator. Clean each part and reassemble. The Chip Vac unit consists of a body, a flow generator, two O-rings and a barbed cap that holds the flow generator in place. The screws that hold the assembly together are on the intake side of the unit. When reassembling, the small holes of the flow generator should point to the exhaust end.

Occasionally, there is a build up which occurs in the throat of the Chip Vac unit as a result of vapors in the atmosphere. Clean the surface with a solvent and a clean rag. To prevent contaminants from getting pushed back into the generator holes, perform this procedure with a small amount of compressed air passing through the Chip Vac.

Always clean the vacuum hose and attachments after every use.

If you have any questions or problems, please contact:

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