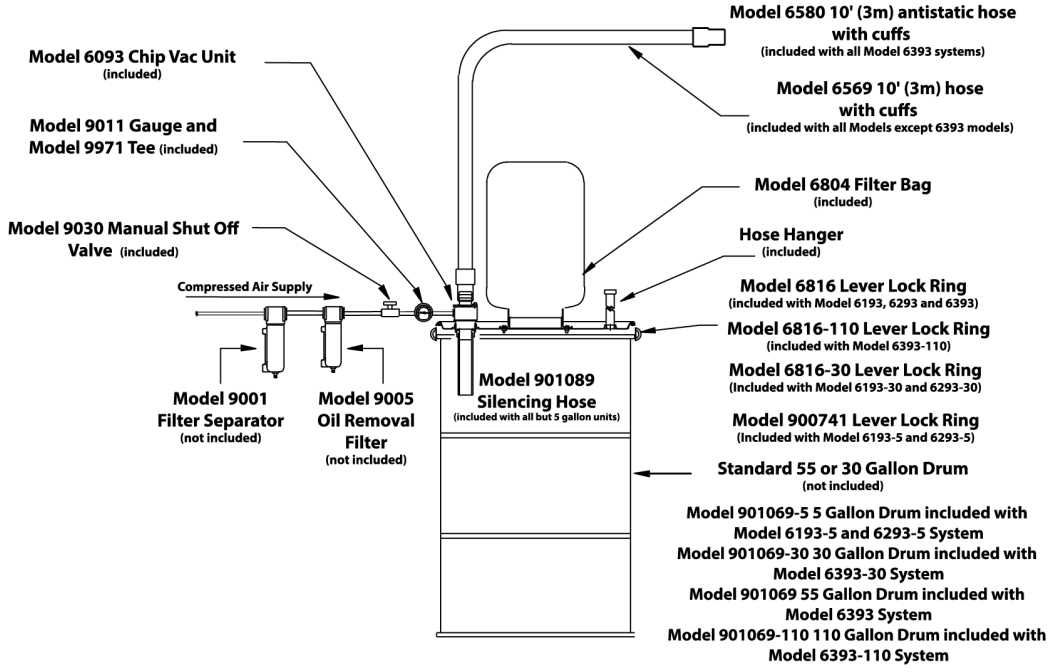
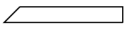
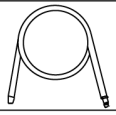
EXAIR® CE EXAIR TECHELP 1-800-903-9247

CHIP VAC™ INSTALLATION & MAINTENANCE



ATTACHMENTS		Included With
	Model 6565 Crevice Tool (1 included)	Model 6193, 6293 Model 6193-30, 6293-30 Model 6193-5, 6293-5
	Model 6566 Skimmer Tool (1 included)	Model 6193, 6293 Model 6193-30, 6293-30 Model 6193-5, 6293-5
	Model 6812 Metal Wand (1 included)	Model 6193, 6293, 6393 Model 6193-30, 6293-30 Model 6193-5, 6293-5 Model 6393-110
	Model 6568 19" (483mm) Str. Extension Wand (2 included)	Model 6193, 6293 Model 6193-30, 6293-30 Model 6193-5, 6293-5
	Model 6585 Dust Brush (1 included)	Model 6193, 6293 Model 6193-30, 6293-30 Model 6193-5, 6293-5
	Model 901021 2 pc Aluminum Wand	Model 6393 Model 6393-30 Model 6393-110
	Model 9041, 9041-110, 9041-30, 9041-5 Drum Dolly (1 included)	Model 6293 and 6393 - 9041 Model 6293-30 - 9041-30 Model 6293-5 - 9041-5 Model 6393-110 - 9041-110

ATTACHMENTS		Included With
	Model 901023 11" (279mm) Heavy Duty Crevice Tool	Model 6393 Model 6393-30 Model 6393-110
	Model 901024 24" (610mm) Heavy Duty Crevice Tool	Model 6393 Model 6393-30 Model 6393-110
	Model 901025 Heavy Duty Skimmer Tool	Model 6393 Model 6393-30 Model 6393-110
	Model 901026 Clamp on Brush For 901025 Skimmer Tool	Model 6393 Model 6393-30 Model 6393-110
	Model 901027 Heavy Duty Round Dust Brush	Model 6393 Model 6393-30 Model 6393-110
	Model 901022 Floor Tool	Model 6393 Model 6393-30 Model 6393-110
	Model 901055 20 Ft. of 1/2" I.D. Push on Hose	Model 6393 Model 6393-30 Model 6393-110
	Model 901028 Quick Connect Coupling	Model 6393 Model 6393-30 Model 6393-110

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.

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COMPRESSED AIR SUPPLY

The Chip Vac uses normal shop air supplies up to 100 PSIG (6.9 BAR, 689 kPa). 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. Maximum pressure is 250 PSIG (17.2 BAR, 1.72 MPa).
If air preparation units other than EXAIR models are being used, please note the following:

- PRESSURE REGULATORS – Must be pressure relieving and rated for a supply pressure of 250 PSIG (17.2 BAR, 1.72 MPa). Suggested operating pressure is 5-125 PSIG (0.3-8.6 BAR, 34-862 kPa). Flow should be minimum 50 SCFM (1416 SLPM).
- AUTO DRAIN FILTER SEPARATORS – Must be rated for a supply pressure of 250 PSIG (17.2 BAR, 1.72 MPa) and have 25 micron filtration. Flow should be minimum 50 SCFM (1416 SLPM).
- OIL REMOVAL FILTERS – Must be rated for a supply pressure of 250 PSIG (17.2 BAR, 1.72 MPa) and have 0.03 micron filtration. Flow should be minimum 50 SCFM (1416 SLPM).

USING THE CHIP VAC

For Model 6193 and 6293, use a steel, fiber or plastic open top 55 gallon (45 imperial gallon) drum that is in good condition (ANSI Standard #MH2-2004). For Model 6193-30 and 6293-30, use a steel, fiber or plastic open top 30 gallon (25 imperial gallon) drum that is in good condition (ANSI Standard #MH2-2004). A 5 gallon drum is included with the Model 6193-5 and 6293-5 Mini Chip Vac Systems. To prevent material contamination, poly drum liners can be used. A 55 gallon drum is included with the Model 6393, a 30 gallon drum with the Model 6393-30 and a 110 gallon drum with the Model 6393-110 Premium Chip Vac Systems.

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 filter bag to the flange in the middle of the drum lid with the large band clamp provided. Place the drum lid with assembled components on top of the drum and secure with lever lock ring.

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.

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 techelp@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 reusable 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 buildup 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 routine cleaning does not solve your performance problems, please contact an EXAIR Application Engineer at:
Toll Free: 1-800-903-9247 (U.S. & Canada)
Telephone: 513 671-3322 outside of U.S. & Canada
Toll Free Fax: 866-329-3924 (U.S. & Canada)
FAX: 513 671-3363 outside of U.S. & Canada
E-mail: techelp@exair.com
Website: www.exair.com

For more information about this product, visit "Frequently Asked Questions"
FAQ at EXAIR.com

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