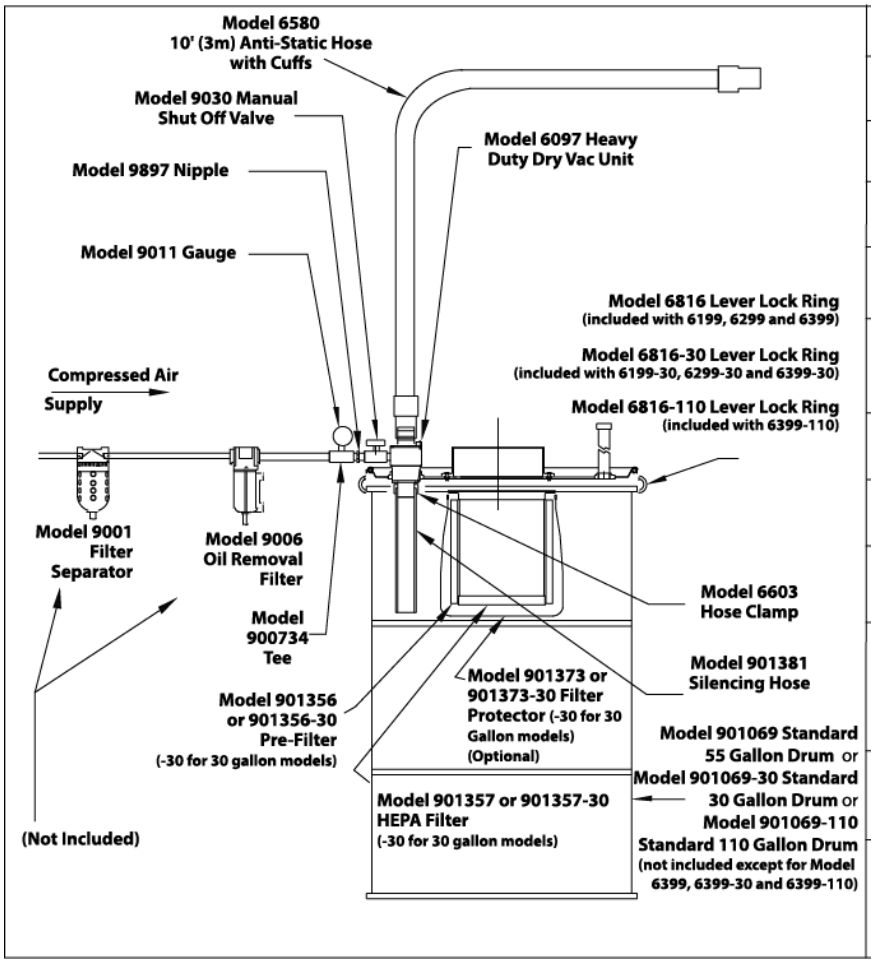
EXAIR® CE EXAIR TECHELP 1-800-903-9247

HEAVY DUTY HEPA VAC™ INSTALLATION & MAINTENANCE



ATTACHMENTS		Included With Model
	Model 6812 Metal Wand	6199, 6199-30, 6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901023 11" (279mm) Heavy Duty Crevice Tool	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901024 24" (610mm) Heavy Duty Crevice Tool	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901025 Heavy Duty Skimmer Tool	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901026 Clamp on Brush For 901025 Skimmer Tool	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901027 Heavy Duty Round Dust Brush	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901022 Floor Tool	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901021 2 pc Aluminum Wand	6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901055 20 Ft. of 1/2" I.D. Push on Hose	6199, 6199-30, 6299, 6299-30, 6399, 6399-30, 6399-110
	Model 901028 Quick Connect Coupling	6199, 6199-30, 6299, 6299-30, 6399, 6399-30, 6399-110
	Model 9041, 9041-30, 9041-110 Drum Dolly	9041 with 6299, 6399 9041-30 with 6299-30, 6399-30 9041-110 with 6399-110

COMPRESSED AIR LINE SIZES

The Heavy Duty HEPA Vac uses the Heavy Duty Dry Vac as the source of suction. Compressed air lines should be sized to hold pressure drops to a minimum. When installing supply lines, use 3/8" pipe up to 25' (7.6m) long, 1/2" up to 50' (15.2m) long. If additional compressed air hose is required, it should be 3/4" I.D. up to 25' (7.6m). Use only the supplied quick connect fittings which have been sized appropriately. Do not use restrictive fittings such as additional quick connects or reducers that can "starve" the Heavy Duty Dry Vac by causing excessive line pressure drop.

COMPRESSED AIR SUPPLY

The Heavy Duty Dry Vac uses normal shop air 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 Heavy Duty Dry Vac will run for years with no maintenance required. Use a 10 micron or smaller filter separator on the compressed air supply (Model 9032 Automatic Drain Filter Separator not included). To prevent problems associated with oil, use an oil removal filter (Model 9006 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 Heavy Duty Dry 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 80 SCFM (2265 SLPM).
- AUTO DRAIN FILTER SEPARATORS – Must be rated for a supply pressure of 250 PSIG (17.2 BAR, 1.72 MPa) and have 10 micron or smaller filtration. Flow should be minimum 80 SCFM (2265 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 80 SCFM (2265 SLPM).

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USING THE HEAVY DUTY HEPA VAC

ALWAYS USE APPROPRIATE PPE AS SPECIFIED BY YOUR FACILITY'S REQUIREMENTS. Use a steel, fiber or plastic open top drum that is in good condition (ANSI Standard #MH2-2004) and correctly sized for the model you have ordered. To prevent material contamination, poly drum liners can be used with the Heavy Duty HEPA Vac. A 55 gallon drum is included with Model 6399 and a 110 gallon drum with the Model 6399-110 Premium Heavy Duty HEPA Vac Systems. The Model 6399-30 Premium Heavy Duty HEPA Vac Systems include a 30 gallon drum.

The Model 6097 Heavy Duty Dry Vac unit mounts into the large 2 NPT threaded hole of the drum lid. Using the provided small band clamp, attach the muffling hose to the straight section of the Heavy Duty Dry Vac on the bottom of the lid. A threaded pipe to be used as a hose hanger mounts into the small 3/4 NPT threaded hole of the drum lid.

The HEPA Filter and Pre-filter are supplied pre-installed on the lid assembly. An optional Filter Protector for the HEPA Filter is available separately from the factory. If used, the Filter Protector is installed over top of the HEPA Filter and Pre-Filter and has an elastic band built in to secure it in place. Place the drum lid with assembled components on top of the drum and secure with lever lock ring.

A packet of pipe sealant is included with the Heavy Duty HEPA Vac. Use the sealant on all threaded compressed air fittings. Connect the male thread of the Model 9030 3/8 NPT Manual Valve to the compressed air inlet of the Heavy Duty Dry Vac unit (turn clockwise). Install the Model 9897 Nipple into the manual valve. Install the Model 900734 Tee onto the nipple. Install the Model 9011 Pressure Gauge in the center 1/4 NPT female inlet of the pipe tee (turn clockwise). Connect the Model 901055 Hose Assembly to the tee. Slide the vacuum hose onto the barbed inlet of the Heavy Duty Dry Vac unit. Insert a tool that best suits the application at the other end of the vacuum hose. Turn compressed air off when moving the drum lid from drum to drum.

VACUUMING FINE AND DUSTY MATERIALS

The Pre-filter and HEPA Filter will trap lightweight contaminants that become suspended in the airstream. An optional Filter Protector (Model 901373 or 901373-30) is available separately from the factory. This Filter Protector will extend the life of the Pre-filter and HEPA Filter, but may require more frequent cleaning or replacement.

TROUBLESHOOTING & MAINTENANCE

The Heavy Duty HEPA 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

Dirty filters can put back pressure on the Heavy Duty HEPA Vac, resulting in reduced suction. If the optional Filter Protector is used, it can be removed and shaken out or replaced. The Pre-filter and HEPA Filter can also be removed and shaken out or replaced. In addition, the Pre-filter ONLY can be washed in warm, soapy water for a more thorough cleaning. Make sure the Pre-filter dries completely before re-installing it and using the Heavy Duty HEPA Vac. DO NOT ATTEMPT TO WASH THE OPTIONAL FILTER PROTECTOR OR THE HEPA FILTER.

If contaminants have clogged the Heavy Duty Dry 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 Heavy Duty Dry 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 Heavy Duty Dry 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 Heavy Duty Dry 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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