EXAIR® Corporation
MANUFACTURING INTELLIGENT COMPRESSED AIR® PRODUCTS SINCE 1983
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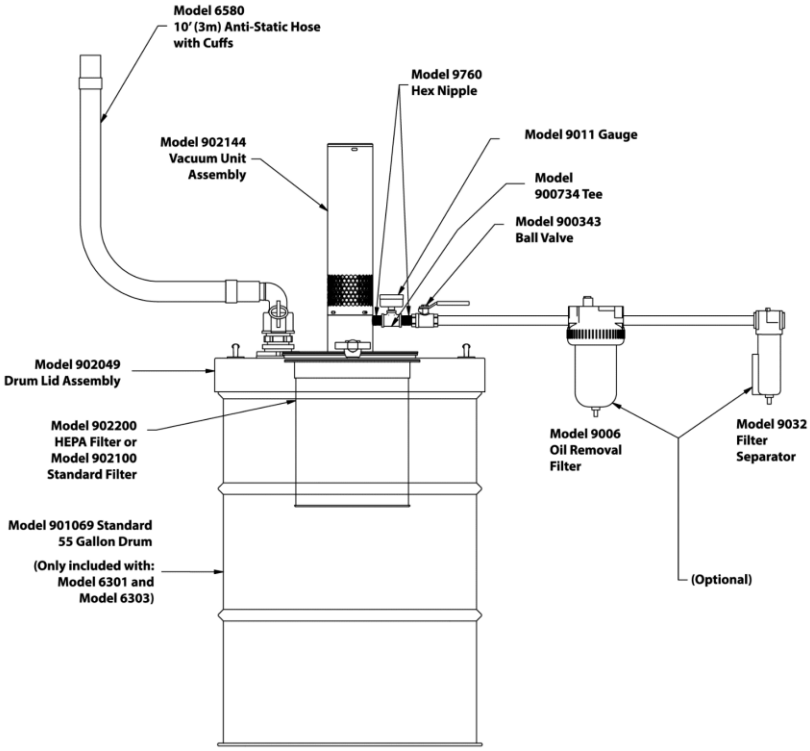
EasySwitch™ Wet-Dry Vac INSTALLATION & MAINTENANCE



	Attachment	Included With
	Model 6812 Metal Wand	Model 6101, 6201, 6301, 6103, 6203, 6303
	Model 901023 11" (279mm) Heavy Duty Crevice Tool	Model 6201, 6301, 6203, 6303
	Model 901024 24" (610mm) Heavy Duty Crevice Tool	Model 6201, 6301, 6203, 6303
	Model 901025 Heavy Duty Skimmer Tool	Model 6201, 6301, 6203, 6303
	Model 901027 Heavy Duty Round Dust Brush	Model 6201, 6301, 6203, 6303
	Model 901022 Floor Tool	Model 6201, 6301, 6203, 6303
	Model 6901 Spill Recovery Kit	Model 6201, 6301, 6203, 6303
	Model 901055 20 Ft. of 1/2" I.D. Push on Hose	Model 6201, 6301, 6203, 6303
	Model 9041 Drum Dolly	Model 6201, 6301, 6203, 6303
	Model 6565 Crevice Tool	Model 6101, 6103
	Model 6566 Floor Tool	Model 6101, 6103
	Model 6568 19" (483mm) Straight Extension Wand	Model 6101, 6103
	Model 6585 Dust Brush	Model 6101, 6103

WARNING: REMOVE HEPA OR STANDARD FILTER WHEN VACUUMING UP LIQUIDS. LIQUIDS CAN DAMAGE THE FILTERS.

COMPRESSED AIR LINE SIZES

Compressed air lines should be sized to hold pressure drops to a minimum. When installing supply lines, use 1/2" pipe 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 EasySwitch Vac by causing excessive line pressure drop.

COMPRESSED AIR SUPPLY

The EasySwitch 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 EasySwitch 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 EasySwitch. 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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ASSEMBLY & USING THE EASYSWITCH WET-DRY VAC

ALWAYS USE APPROPRIATE PPE AS SPECIFIED BY YOUR FACILITY'S REQUIREMENTS. Use a steel open top drum that is in good condition (ANSI Standard #MH2-2004) and correctly sized for the model you have ordered. An open top 55-gallon drum is included with Model 6301 and 6303 EasySwitch Systems.

The EasySwitch Vac drum lid can be placed on top of a rolled lip open top 55-gallon drum. Attach the Vacuum unit with Muffler to the lid using the provided button head cap screws and the Model 902032 Gasket. Place the Gasket on top of the bolt circle in the middle of the lid and place the vacuum unit on top of that. It is recommended to orient the air inlet 90 degrees from the rubber latch. Use the button head cap screws to attached the vacuum unit from underneath the lid.

To connect the vacuum hose, thread in the Model 6708 quick release base unto the 1-1/2 NPT adapter on the assembled lid. Then place the Model 6707 90-degree quick release on top and secure the metal ears by rotating them up. Place the vacuum hose on the hose barb.

The Standard Filter or HEPA Filter along with a Model 902146 Pre-Filter are supplied with the lid assembly. Wrap the pre-filter around the HEPA filter and secure with the Velcro straps to install. To remove or replace either filter, unhook the rubber handle from its latch and lift cap up. Remove the filter by lifting it straight up and out of the drum. The filter can be cleaned or replaced with a new filter. For liquid applications the filter must be removed and the cap should be secured with the rubber latch.

A packet of pipe sealant is included with the EasySwitch Vac. Use the sealant on all threaded compressed air fittings. Install the Model 9760 Nipple into the body of the EasySwitch. Install the Model 900734 Tee onto the nipple. Install a Model 9760 Nipple in the other end of the Tee. Install the 900343 Ball Valve on to the Nipple. Install the 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 end of the Manual Ball Valve. Slide the vacuum hose onto the hose barbed inlet of the EasySwitch lid. 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.

WARNING: Do Not Use With Any Material With A Low Flash Point Or With Flammable Liquids Such As Fuel Oil, Alcohol, Mineral Spirits, Gasoline Or Kerosene.
WARNING: Do Not Use With Combustible Dust.

FLOOR SPILL APPLICATIONS

Systems using the Model 6901 Spill Recovery Kit will only pick up liquid only when the floor tool is pulled toward the operator.

VACUUMING FINE AND DUSTY MATERIALS

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

TROUBLESHOOTING & MAINTENANCE

The EasySwitch Vac has no moving parts. Maintenance is not normally required provided the compressed air being supplied is filtered and 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 MOWOTAS Thailand at +66 (0)90 124 8875 or contact-mowotasthailand@mowotas.com.

CLEANING

Dirty filters can put back pressure on the EasySwitch Vac, resulting in reduced suction. If the optional Filter Protector is used, it can be removed and shaken out or replaced. The Standard Filter and HEPA Filter can also be removed and shaken out or replaced. **DO NOT ATTEMPT TO WASH THE OPTIONAL FILTER PROTECTOR, THE STANDARD FILTER, OR THE HEPA FILTER.**

If contaminants have clogged the EasySwitch vacuum 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 EasySwitch unit consists of a body, a flow generator, an exhaust and a muffler attached to the body. The screws that hold the muffler to the body are on the bottom of the Muffler. The exhaust should unthread from the body. When reassembling, make sure the exhaust is threaded all the way in to ensure proper vacuum flow.

Always clean the vacuum hose and attachments after every use.

If routine cleaning does not solve your performance problems, please contact:

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