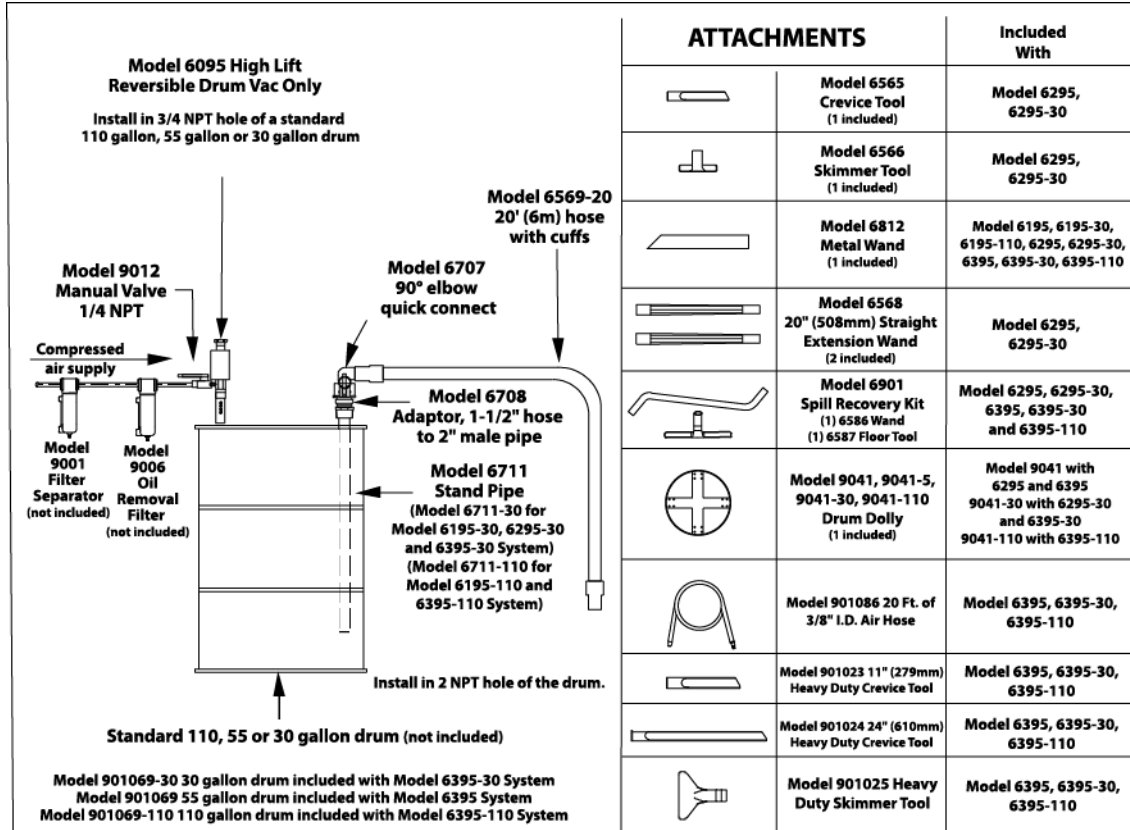




## HIGH LIFT REVERSIBLE DRUM VAC INSTALLATION & MAINTENANCE



**Note:** The High Lift Reversible Drum Vac System must be used with a closed head steel drum with a minimum wall thickness of 1.3mm (18 gauge) and in good condition.

### 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 High Lift Reversible Drum Vac by causing excessive line pressure drop.

### COMPRESSED AIR SUPPLY

The High Lift Reversible Drum Vac uses normal shop air supplies of 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 Reversible Drum Vac will run for years with no maintenance required. Maximum pressure is 120 PSIG (8.2 BAR, 0.82 MPa).

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 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 High Lift Reversible Drum Vac, within 10 to 15' (3 to 4.6m) is best.

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 43 SCFM (1,218 SLPM).
- **AUTO DRAIN FILTER SEPARATORS** – Must be rated for a supply pressure of 250 PSIG (17.2 BAR, 1.72 MPa) and have 5 micron filtration. Flow should be minimum 43 SCFM (1,218 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 43 SCFM (1,218 SLPM).

### **USING THE HIGH LIFT REVERSIBLE DRUM VAC**

Use a drum that is in good condition and is free of contaminants (drum not included except with the Model 6395 Systems). Connect the valve outlet to the compressed air inlet of the High Lift Reversible Drum Vac. The High Lift Reversible Drum Vac pump assembly mounts into the small 3/4 NPT threaded hole of the drum (see diagram above). Insert the white stand pipe suction tube into the 2 NPT threaded hole of the drum and secure by turning clockwise. Attach threaded elbow adapter to the suction tube (clockwise). Slide the vacuum hose onto the quick-release elbow fitting. Secure the quick-release elbow to the adapter (lever locks point upward when locked). Insert a tool that best suits the application at the other end of the vacuum hose.

Connect compressed air line (not included) from the filter to the 1/4 NPT shutoff valve. Secure all vacuum connections to prevent loss of suction.

Upon opening the shutoff valve, it is normal for the drum to make a “popping” sound as the High Lift Reversible Drum Vac begins to fill or empty the drum.

The high powered vacuum can fill the drum in less than 2 minutes. An automatic safety shutoff valve prevents spills or overfilling.

### **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.

**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.**

### **TROUBLESHOOTING & MAINTENANCE**

Clean air is essential for proper operation of the High Lift Reversible Drum Vac. A 10 micron or smaller filter separator must be used on the compressed air supply in close proximity to the Reversible Drum Vac. If the filter element becomes clogged with dirt, or a filter with a larger micron rating is used and passes dirt into the pump, the airflow becomes restricted and the pump can cease to operate.

**For replacement or repair filter and regulator parts, contact MOWOTAS Thailand at + 66 (0)90 124 8875 or contact-mowotasthailand@mowotas.com.**

### **CLEANING**

The safety shutoff valve that extends into the drum may require occasional cleaning. Immerse the Reversible Drum Vac assembly in a mild cleaning or degreasing solvent. After cleaning, be sure the float moves freely. Use an air gun to remove solution and contaminants.

If the Reversible Drum Vac becomes clogged, it can be disassembled for cleaning. Use a wrench to hold the hex body firm while turning the cylindrical muffler assembly counterclockwise with a strapping wrench. Once the muffler assembly is removed, use a pin-style spanner wrench to unscrew the threaded plug. Carefully remove the shim and clean it, the O-ring and the pump body using a mild cleaning solvent. Pull the foam insert out of the muffler assembly, being careful not to rip or tear it, and flush it out with a mild cleaning solvent. Be sure all components are dry before reassembling. Note the orientation of the shim as shown in the illustration below and reinstall the threaded plug. Be careful not to over tighten the threaded plug as this can distort the shim and restrict airflow.

Always clean the vacuum hose and attachments after every use.

If you have any questions or problems, please contact an EXAIR Application Engineer at:

**MOWOTAS (Thailand) Co. Ltd.**  
228, Muhti 11  
Nongprue, Banglamung  
Chonburi, 20150 Thailand

Phone: +66 (0)90 124 8875  
Email: contact-mowotasthailand@mowotas.com  
Website: www.mowotas.co.th

