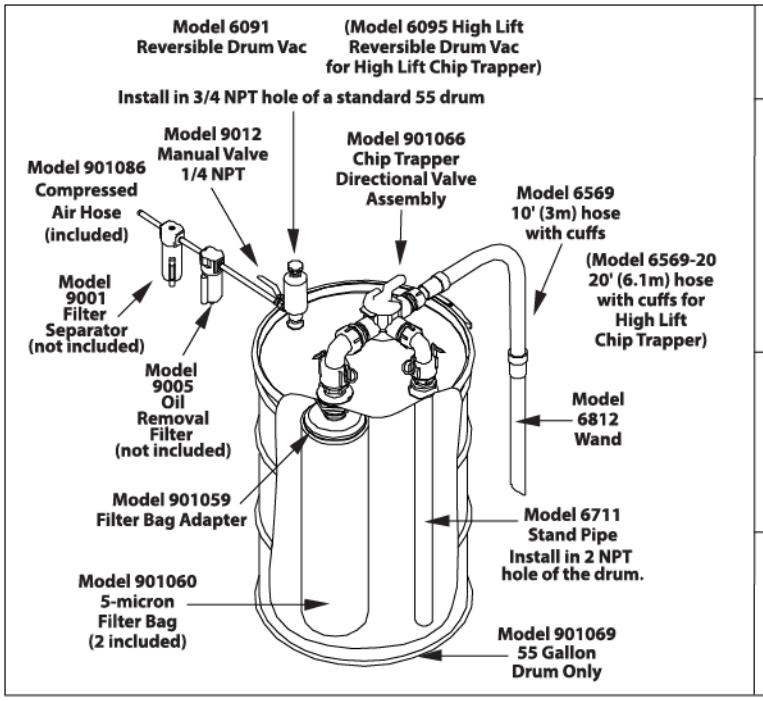
EXAIR® CE EXAIR TECHELP 1-800-903-9247

CHIP TRAPPER™ / HIGH LIFT CHIP TRAPPER™ INSTALLATION & MAINTENANCE



ATTACHMENTS		Included With
	Model 901060 5-micron Filter Bag (2 included)	Model 6198 Chip Trapper Model 6190 High Lift Chip Trapper
	Model 6901 Spill Recovery Kit (1) 6586 Wand (1) 6587 Floor Tool	Optional
	Model 9041 Drum Dolly (1 included)	Model 6198 Chip Trapper Model 6190 High Lift Chip Trapper

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 Trapper by causing excessive line pressure drop.

COMPRESSED AIR SUPPLY

The Chip Trapper 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 Chip Trapper will run for years with no maintenance required. Maximum pressure is 120 PSIG (8.3 BAR, 827 kPa).

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 Trapper, 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 5-120 PSIG (0.3-8.3 BAR, 34-827 kPa). Flow should be minimum 24 SCFM (680 SLPM). (43 SCFM (1,218 SLPM) for High Lift Chip Trapper)
- 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 24 SCFM (680 SLPM). (43 SCFM (1,218 SLPM) for High Lift Chip Trapper)
- 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 24 SCFM (680 SLPM). (43 SCFM (1,218 SLPM) for High Lift Chip Trapper)

USING THE CHIP TRAPPER

Remove the box of components and accessories from inside the drum. Tilt the top of the Model 901060 Filter Bag 90 degrees, slipping it over the Model 901059 Filter Bag Adapter, then pull down to secure. Place the drum lid on the drum and secure in place with the locking ring. The Chip Trapper uses EXAIR’s Model 6091 Reversible Drum Vac (two-way drum pump) (Model 6095 High Lift Reversible Drum Vac for the High Lift Chip Trapper) to move the liquid in and out of the drum. Connect the Model 9012 Manual Shutoff Valve outlet to the compressed air inlet of the pump. The stainless steel pump assembly mounts into the small 3/4 NPT threaded hole of the drum (turning clock-wise). Slide the Model 6569 Vacuum Hose (Model 6569-20 Vacuum Hose for the High Lift Chip Trapper) onto the barb fitting. Insert the Model 6812 Chip Wand at the other end of the vacuum hose.

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Connect the Model 901086 Compressed Air Hose to the inlet of the Model 9012 Manual Shutoff Valve on the pump (turning clock-wise). For most applications, it will be more convenient to have the swivel end of the hose located near the shutoff valve. Connect the other end to a source of clean, dry compressed air.

Place the Model 901066 Chip Trapper Directional Valve Assembly onto the two fittings protruding from the lid. Secure the two quick release fittings (lever locks point upward when locked).

When preparing to vacuum the contaminated liquid into the drum, move the directional valve into the position as indicated by the label on the drum lid. (The Model 901066 Directional Valve Assembly handle extends toward the stainless steel Reversible Drum Vac pump.) Turn the knob on top the Reversible Drum Vac pump counter-clockwise to "FILL DRUM", then, turn the manual shutoff valve to the "on" position.

To pump clean liquid out of the drum, move the directional valve into the position indicated by the label on the drum lid. (The Model 901066 Directional Valve Assembly handle extends away from the stainless steel Reversible Drum Vac pump.) Turn the knob on top the Reversible Drum Vac pump clockwise to "EMPTY DRUM", then, turn the manual shutoff valve to the "on" position.

It is normal for the drum lid to make a "popping" sound as the drum fills or empties. An automatic safety shutoff valve prevents spills or overfilling.

CHANGING THE FILTER BAG

To change the Chip Trapper filter bag, first disconnect the compressed air supply. Unlatch and remove the locking ring from the drum lid. Slide the lid to the side which provides access to the filter bag. There is a wire ring in the top of the filter bag that seats on the filter bag holding assembly. To remove the filter bag, lift the bag up from the bag holding assembly and tilt it sideways. The ring can then be removed from the bag holding assembly (filter bag can be removed from the drum). A new bag can be installed by tilting the ring, and pushing it over the bag holding assembly. It will then easily seat itself and is ready for use.

FLOOR SPILL APPLICATIONS

Order a Model 6901 Spill Recovery Kit for floor spill pick-up applications. The Spill Recovery Kit works best when 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

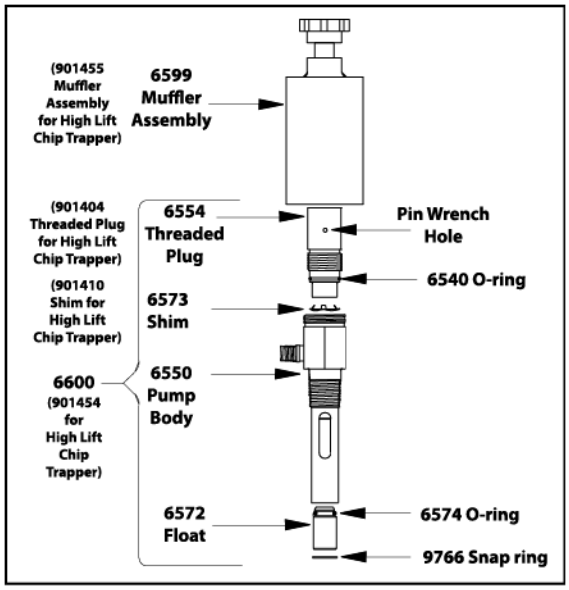
Clean air is essential for proper operation of the Chip Trapper. A 10 micron or smaller filter separator must be used on the compressed air supply in close proximity to the Chip Trapper. If the filter element becomes clogged with dirt, or a filter with a larger micron rating is us used and passes dirt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

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

CLEANING

The safety shutoff float of the Reversible Drum Vac pump extends into the drum and may require occasional cleaning. Immerse the pump 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 stainless steel pump 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. If using a High Lift Chip Trapper, 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 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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