

<https://www.youtube.com/watch?v=FXInKkf0KJU>

Using The Low Boy Portable filter machine

Besides being the premier filter media producer, The Dallas Group of America also manufactures frying oil filter machines. One of our more popular versions is the Low Boy filter machine. Used together with Magnesol XL powder or pads, the Low Boy filter machine is designed to safely and effectively clarify your frying oil and extend the useable life of the oil.

The Low Boy comes in several different capacities that will safely hold 50lb, 60lb and 95lb capacities. The Low Boy also comes in either standard or reversible pump options and can be used with either a filter paper envelope, filter pad or a filter leaf screen.

This training segment will assist you in the assembly and care of your Low Boy filter machine. For the purpose of this training segment we will be using a standard Low Boy J60 filter machine that uses a filter paper envelope.

Let's first identify the components of the Low Boy Filter Machine. These components are:

Filter tank

Filter tank handle

Pump Motor

Filter hose and nozzle assembly

Insert

Stand pipe with filter clips

Detachable power cord and GFCI

You will also need a filter envelope and Magnesol XL powder

Standpipe and Filter Assembly

In this section we will be showing the procedure using a filter paper envelope. The procedure is the same regardless of the filter media you are using.

On a flat clean surface, place the metal insert into the opening of the filter envelope. Ensure that the threaded fitting comes through the hole in the filter paper envelope.

Next, screw on the stand pipe assembly, to the threaded fitting, until it is snug.

Centre the standpipe so it faces the opening of the filter paper envelope. Fold over the filter paper envelope and secure the attached filter clips. The filter assembly is now complete

#### Motor, Hose & Filter Cart Assembly

Take the filter pump motor and assembly, locate the end of the filter tank assembly, with two welded tabs and hang the pump motor and assembly between these two welded tabs.

Position the stand pipe and filter envelope assembly into the center of the filter tank. Insert the stand pipe quick disconnect fitting into the quick disconnect coupling, ensure the fitting and coupling is secure and locked.

Next, place the nozzle assembly into the holster on the filter tank. Insert the quick disconnect fitting into the quick disconnect coupling facing to the sign. Ensure the fitting and coupling is secure and locked.

Install the filter tank handle into the two brackets at the rear of the filter tank.

Finally, plug the female end of the power cord into the recessed male plug, located on the side of the pump motor. Plug the male end into the GFCI provided and plug the GFCI into an electrical outlet.

You are now ready to filter!

For specific filtration procedures, refer to the portable filtering segment of this video.

#### Disassembly and Cleaning

Allow the Low Boy filter machine to cool down. When the Low Boy filter machine can be handled safely, begin to disassemble the filter machine, by first unplugging the GFCI and power cord.

Next, disconnect the hose and nozzle assembly. Drain any oil remaining in the hose into the filter tank.

Disconnect the standpipe assembly. Remove and store the filter pump motor and assembly.

Remove filter tank handle.

Unscrew the standpipe from the insert and remove the filter clips.

Remove and discard the filter paper envelope.

**Never run water or any cleaning solution through the pump motor, as this may cause significant damage to the filter pump.**

Wipe out any sediments remaining in the filter cart. Rinse out the filter cart and all parts using hot water ONLY.

Wipe the filter cart and all parts dry with a clean towel and allow all the parts and filter cart to air dry overnight, disassembled.

For additional instructions and information, please check with your manager or supervisor. Other sections of the training video or call one of our field service experts.