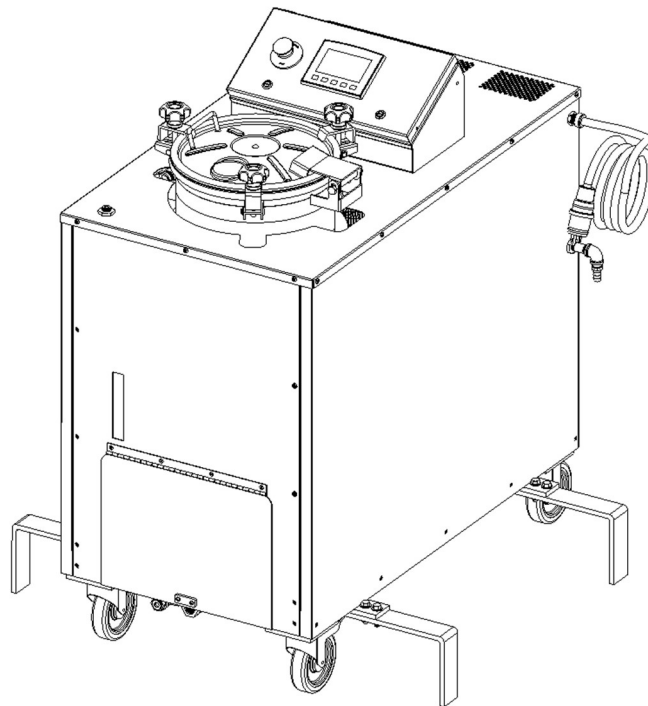


QUICK START GUIDE



H-1431A Asphalt Solvent Recycler

Distributed by: Humboldt Mfg. Co

www.humboldtmfg.com

1.800.544.7220

875 Tollgate Road

Elgin, IL 60123 usa



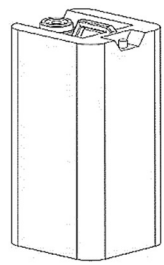
Table of Contents

Unpack your Supply Kit.....	2
Install Stability Wings.....	2
Familiarize Yourself with the SolvTrue S700 Recycler	3
Locate your SolvTrue Recycler.....	4
Prepare recovery container.....	4
Install tank liner	5
Charge processing tank.....	6
Install mist deflector.....	6
Close processing tank lid.....	7
Power on SolvTrue Recycler	7
Start a cycle.....	8
See cycle information	10
Let cycle run.....	10
Cycle has ended.....	10
Removing the waste	11
Collect clean solvent.....	12
Close up, power down, repeat.....	12
Maintenance Tips	13

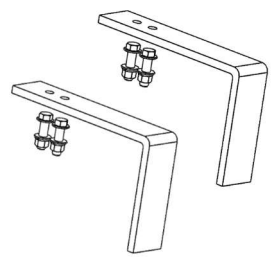
1 Unpack your Supply Kit.



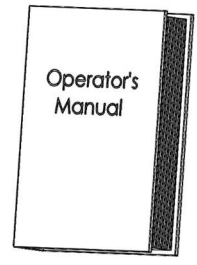
Bag holder x1



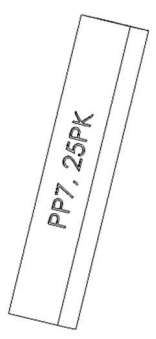
7G recovery jug x1



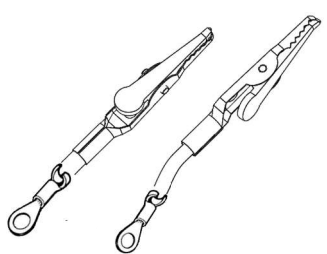
Stability wings set x2



Operator's manual x1



Tank liners x1 (25 EA)

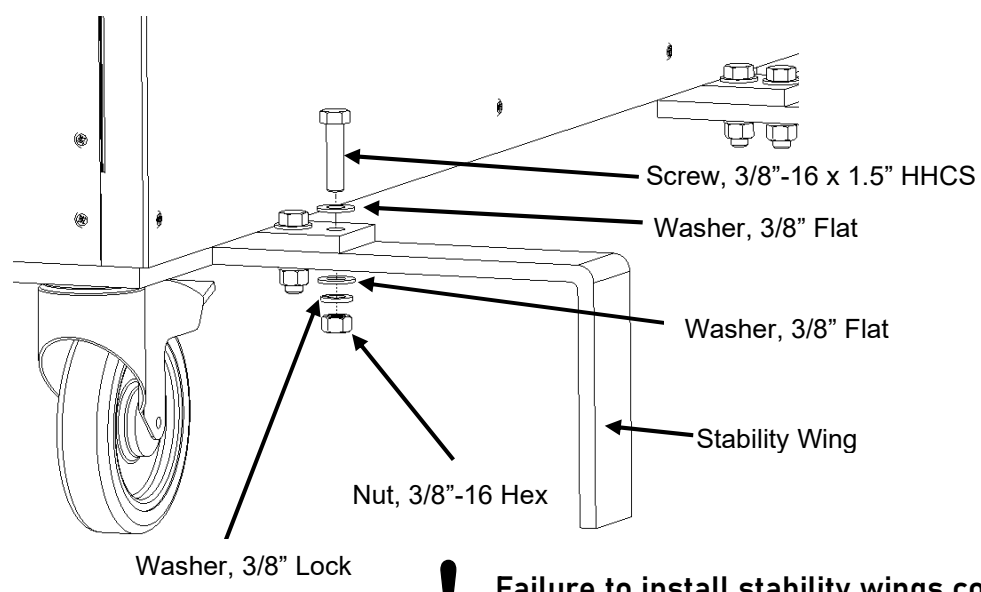


Ground straps x2
*For metal containers



Tubing, 1/2" I.D. x 6'

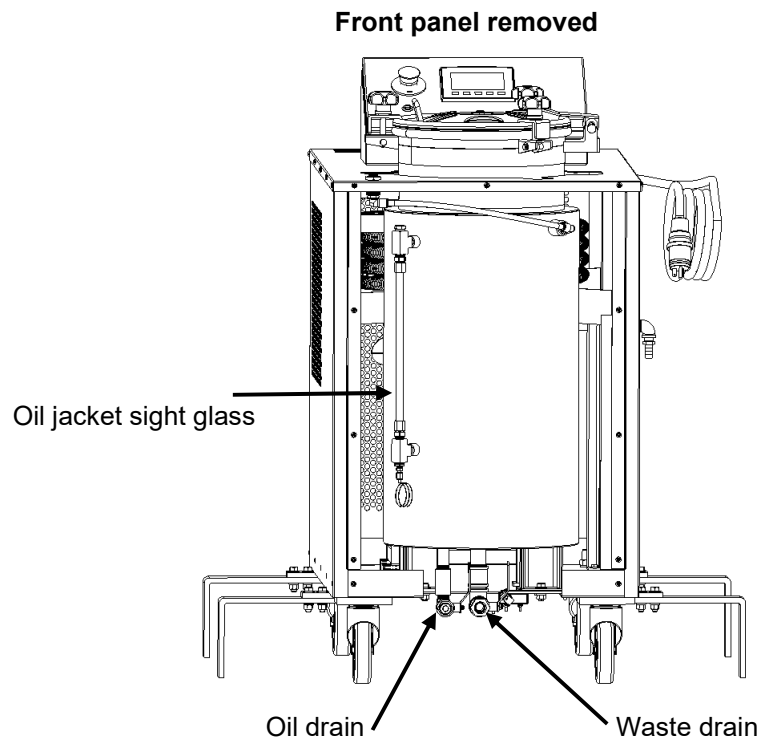
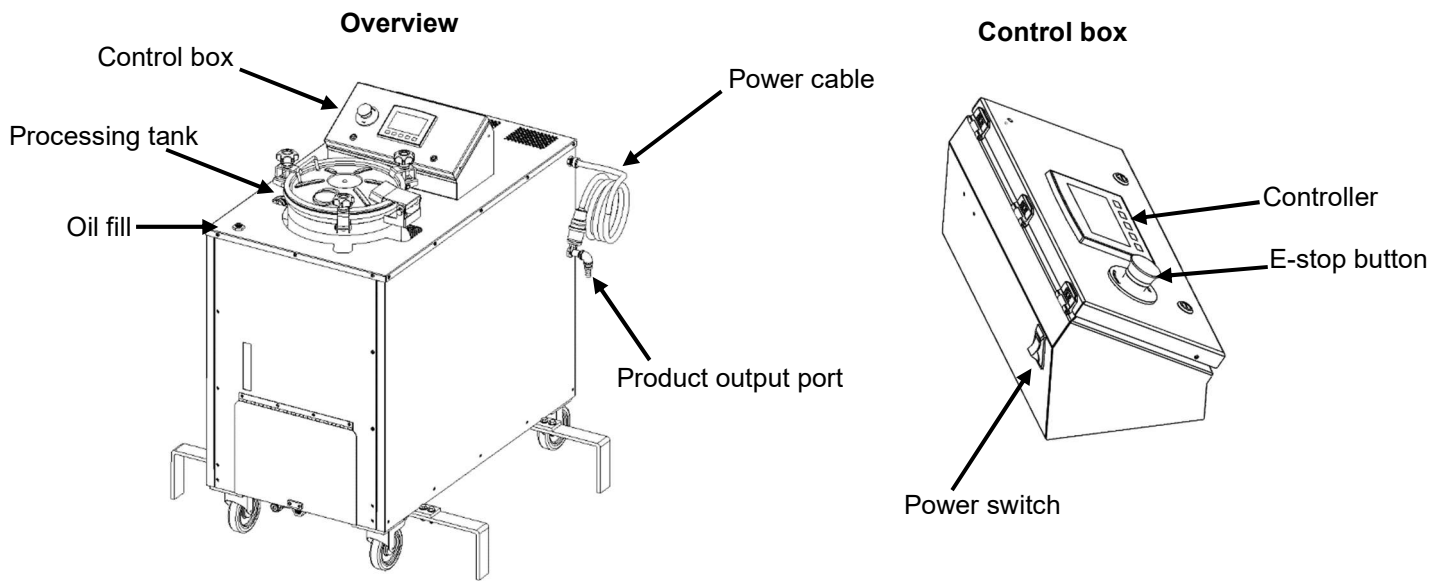
2 Install Stability Wings.



Install stability wings on all four mounts with the hardware provided. Tighten the screw unit split ring lock washer is compressed.

! Failure to install stability wings could result in unit tipping if struck by heavy machinery.

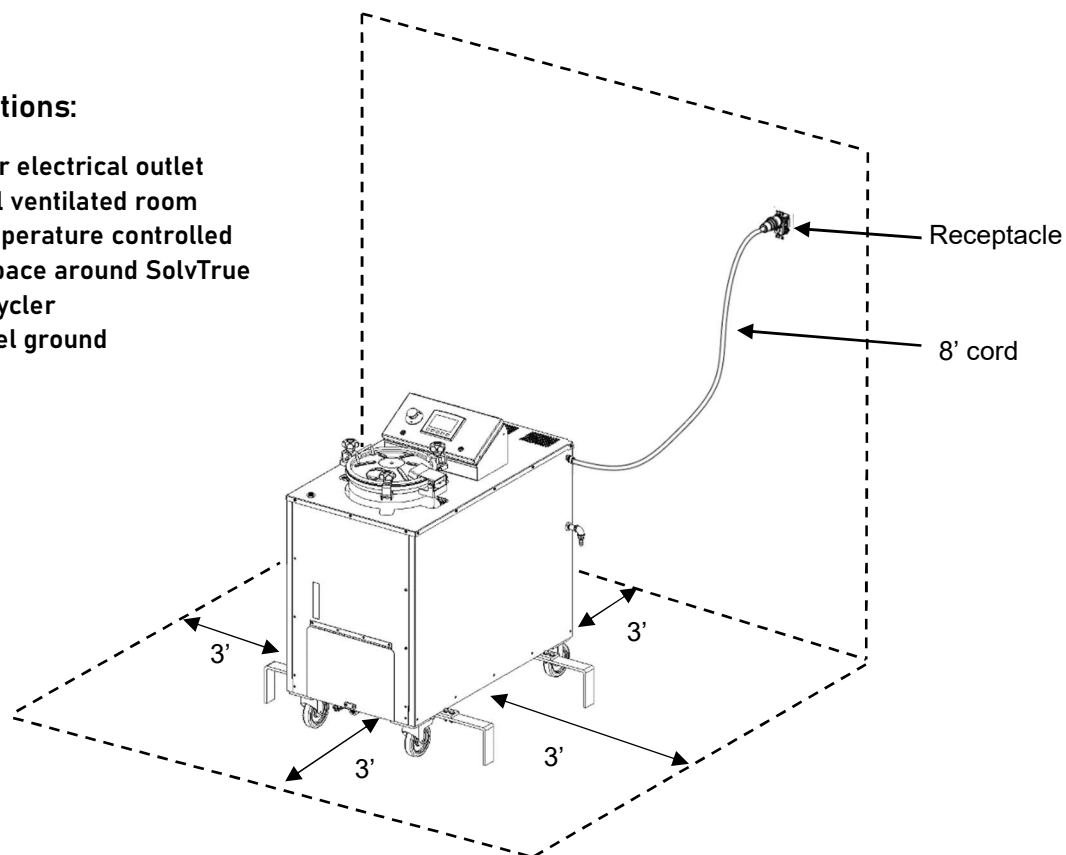
3 Familiarize Yourself with the SolvTrue™ S700.



4 Locate your SolvTrue™ Recycler.

Considerations:

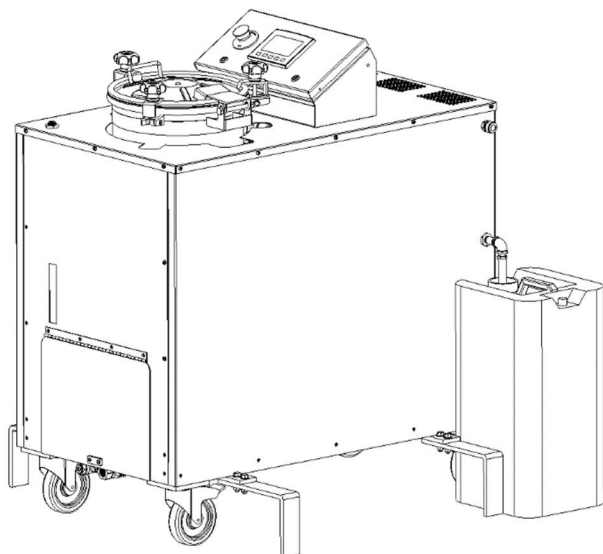
- Near electrical outlet
- Well ventilated room
- Temperature controlled
- 3' space around SolvTrue Recycler
- Level ground



5 Prepare recovery container.

Considerations if not using provided jug:

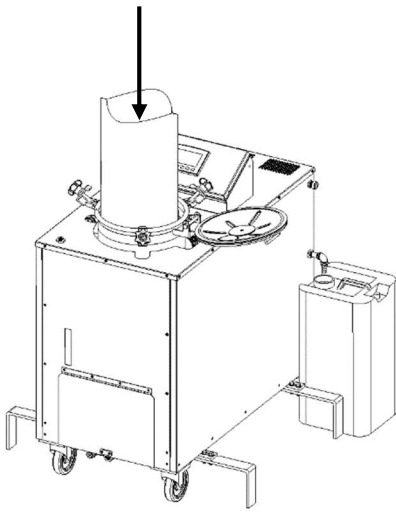
- 7-gallon capacity
- Solvent compatibility
- Vented
- Place under recovery port
- Connect short length of tubing that was provided to route solvent into recovery jug
- Do not make an airtight seal
- Ensure no dips in recovery tube
- End of tube should not be submerged under the solvent at any point in the cycle
- Connect ground strap



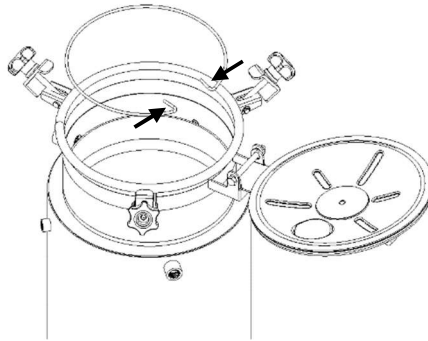
* Ground straps used to minimize static buildup from solvent moving through plastic containers / tubing. *
Connect alligator clip to recovery container, connect ring terminal to one of the sheet metal screws.

6 Install tank liner.

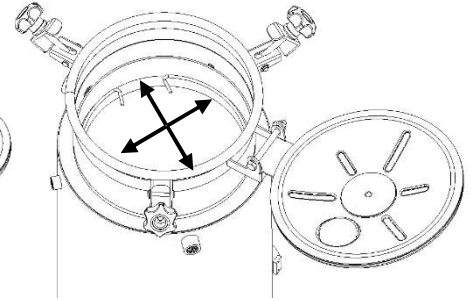
Recommended for viscous or curable waste (Ex: paint, resin, flux, etc..)



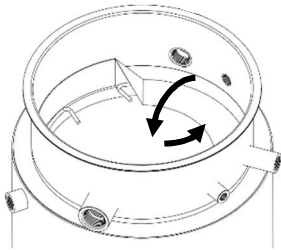
- 1) Lay bag along inside of processing tank



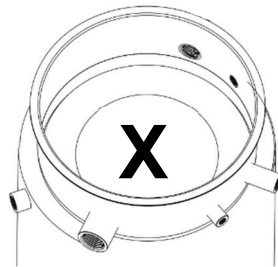
- 2) Pinch bag holder to fit ring inside of the bag



- 3) Release holder and allow to rest on bag retaining ring

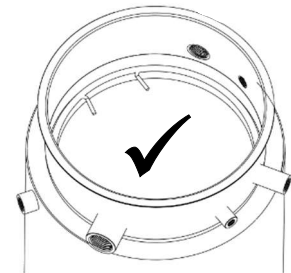


- 4) Fold excess liner over and tuck under bag holder



Example of poor install:

- Liner folds toward center. Solvent vapors will collect on here and fall back into tank

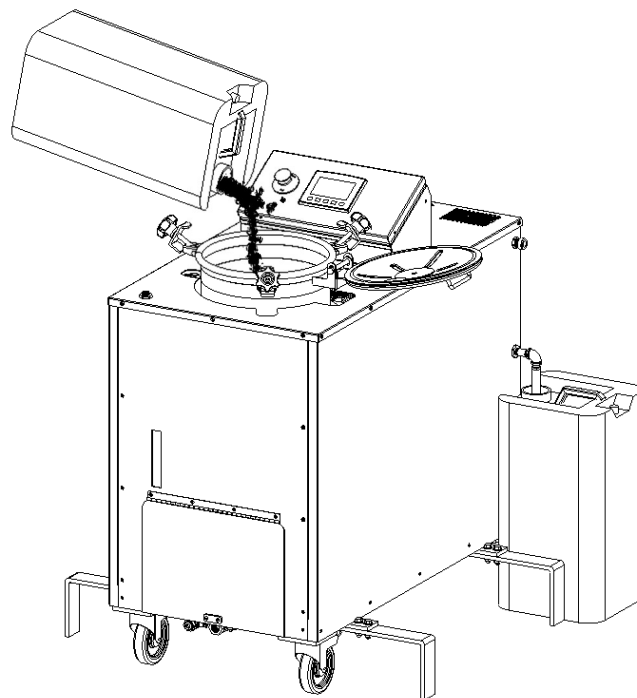
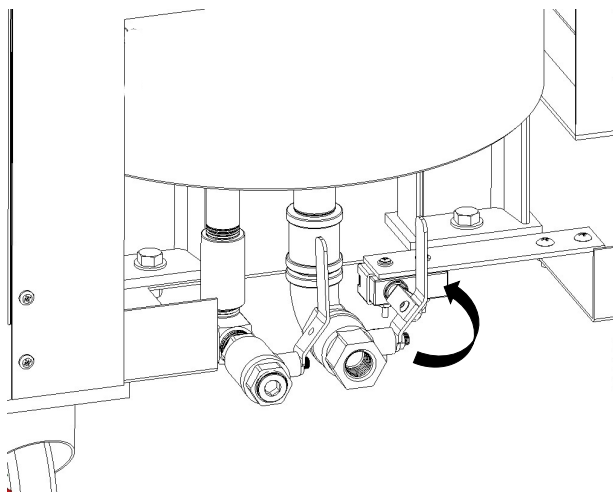


Example of good install:

- Liner folded under bag ring holder
- All ports unobstructed
- Tank liner flush with inside of tank bottom and walls

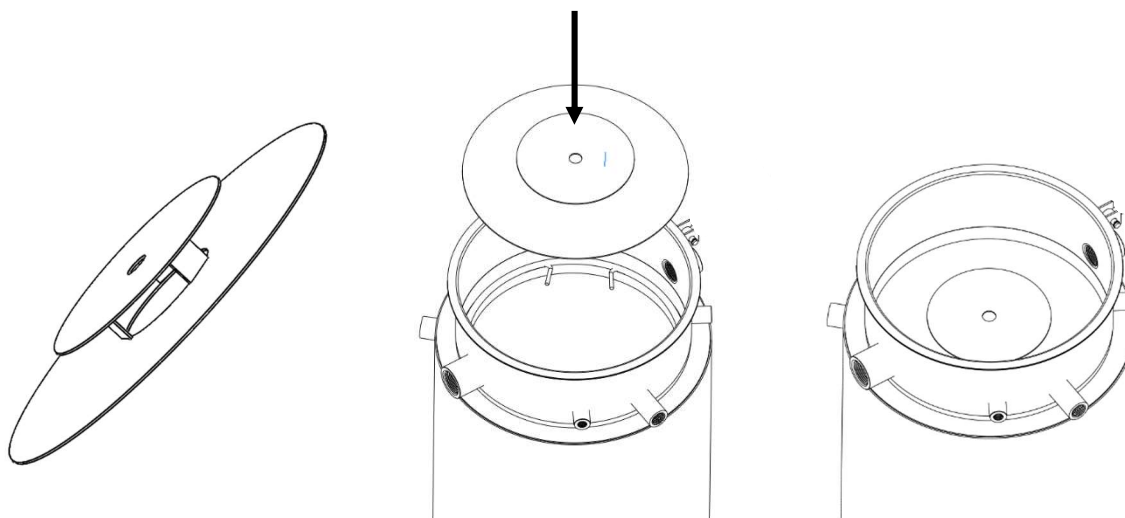
7 Charge processing tank.

Ensure waste drain valve is closed. Handle will be in vertical position



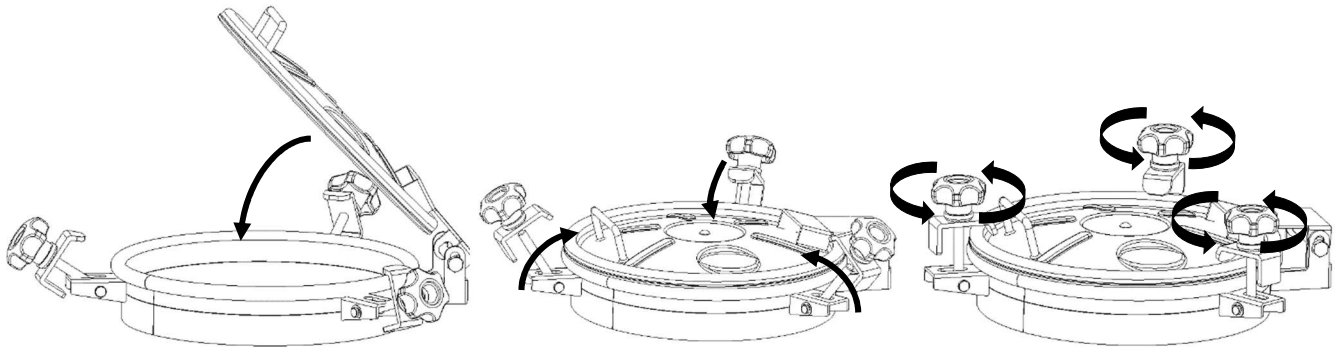
! Max fluid level is 2" below the bag holder / bag ring

8 Install mist deflector (if equipped).



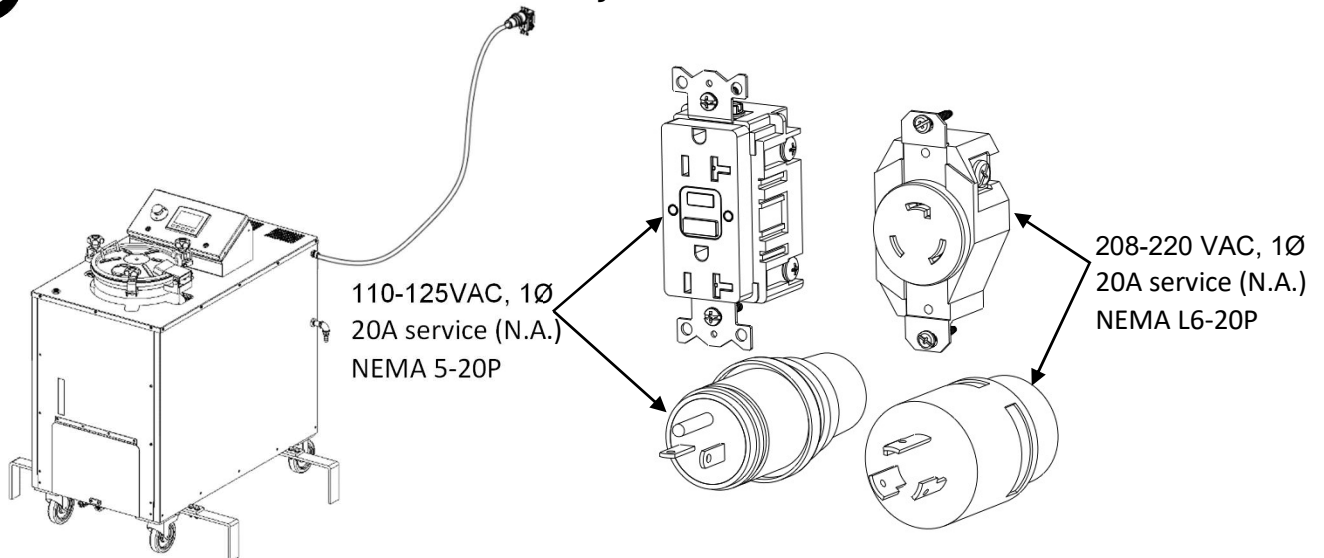
Mist deflector will rest on the bag holder / bag ring. Mist deflector is an option that is used to contain any splashing waste during aggressive boiling. Use splash guard for volatile solvent / waste mixtures like acetone and paint.

9 Close processing tank lid.

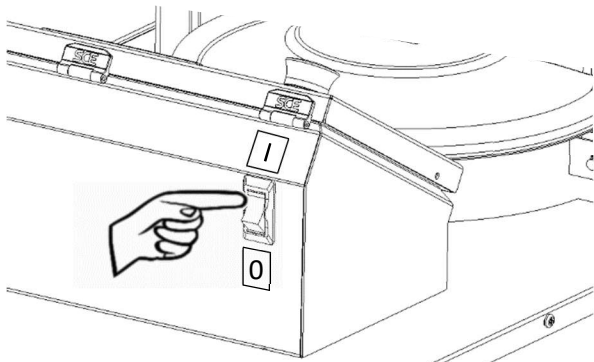


Center lid on processing tank, hold in place and tighten handle until snug. **Do not over tighten** or use tool to torque down.

10 Power on SolvTrue™ Recycler.



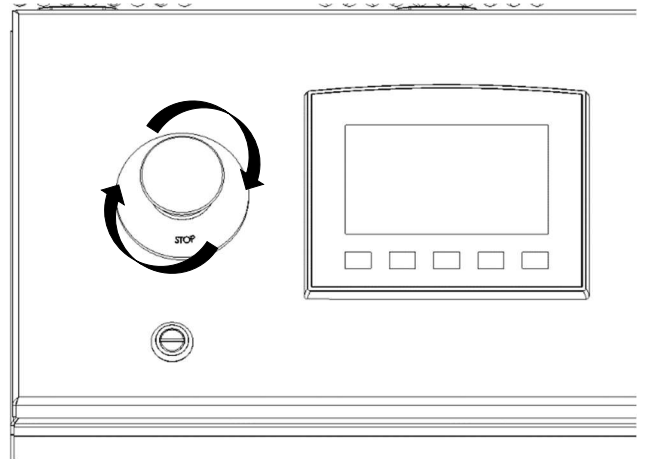
- 1) Plug into correct receptacle for your SolvTrue Recycler's voltage. If unsure, reference data tag on the SolvTrue Recycler to determine power requirements. Line must be dedicated for the SolvTrue Recycler.



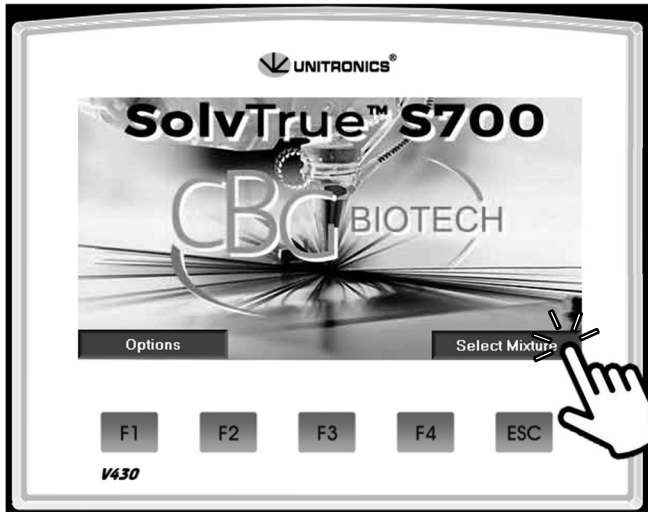
- 2) Toggle power switch to ON or "I" position. An orange glow will be visible and computer will power on.

- 3) Push the button to engage the E-STOP. Turn clockwise to disengage the E-STOP.

Once SolvTrue Recycler is fully powered on, the display will direct you to the home screen



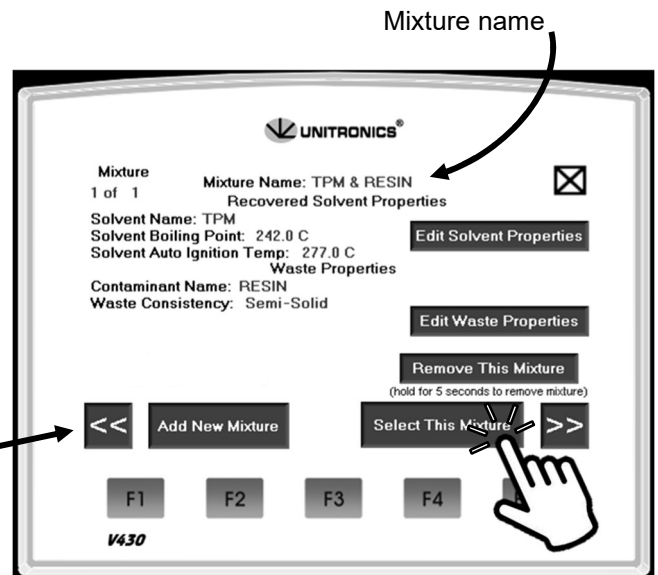
11 Start a cycle.



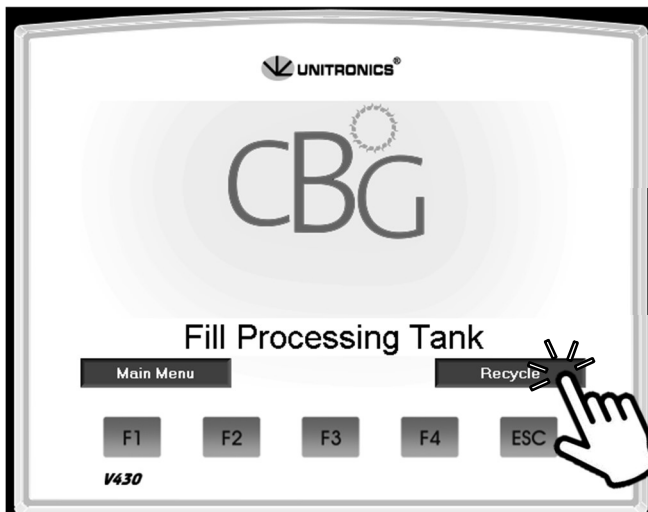
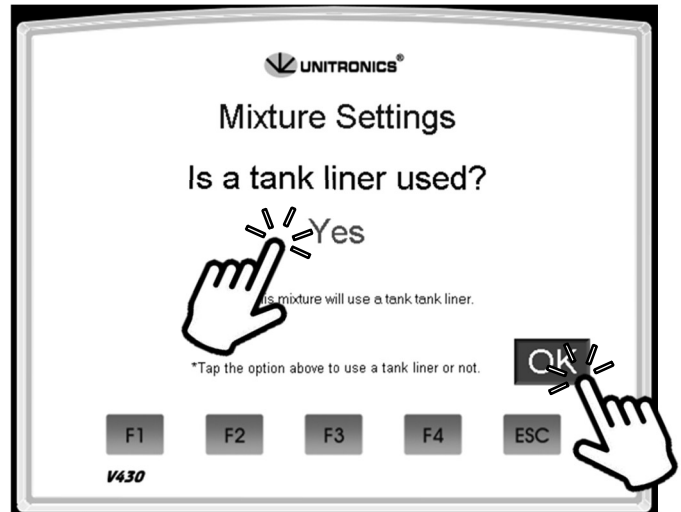
This is the computer's "home screen". Press the SELECT MIXTURE button in the bottom right corner of the touchscreen.

Select your mixture in this menu. If you have multiple solvents programmed, the arrows in the bottom left / right of the screen will toggle through them. Your SolvTrue Recycler will come preprogrammed with the solvent(s) recipe you are recycling.

Toggle through recipes

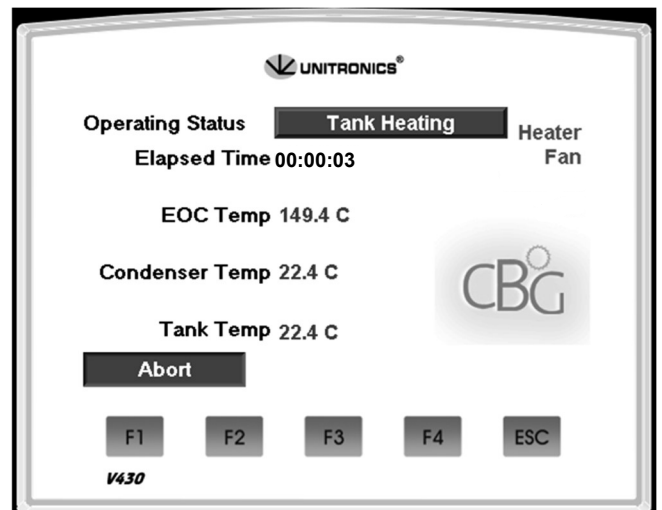


After selecting your mixture to recycle, the computer will ask you if you will be using a tank liner. Toggle yes / no by pressing the word. Press OK to proceed.

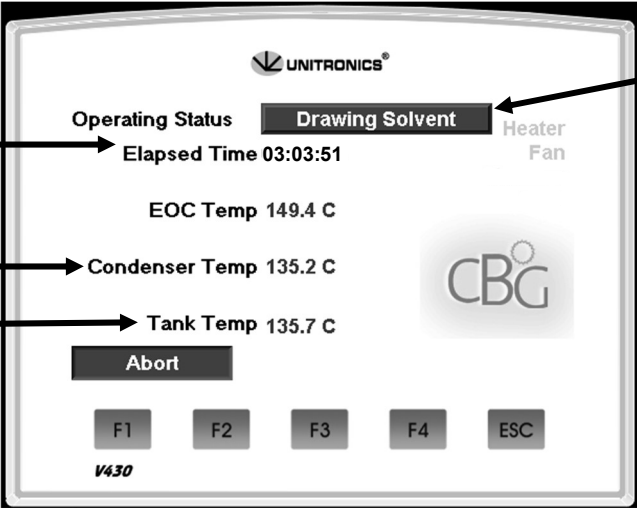


Finally, press RECYCLE button to confirm processing tank has been charged and start recycling.

The cycle will now start. The operator will immediately hear the condenser fan start running.



12 See cycle information.



The screenshot shows the control panel with the following information:

- UNITRONICS logo at the top.
- Operating Status: **Drawing Solvent** (highlighted in a dark box).
- Elapsed Time: 03:03:51.
- EOC Temp: 149.4 C.
- Condenser Temp: 135.2 C.
- Tank Temp: 135.7 C.
- Buttons: Abort, F1, F2, F3, F4, ESC.
- Model: V430.

Annotations on the left side:

- Elapsed time points to the Elapsed Time display.
- Condenser temperature points to the Condenser Temp display.
- Heat transfer fluid temperature points to the Tank Temp display.

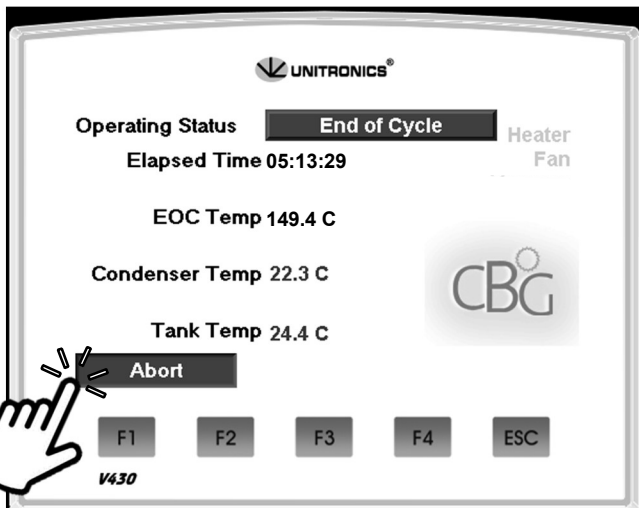
Operating status includes:

- Tank heating
- Drawing solvent
- End of cycle routine
- End of cycle

13 Let cycle run.

Allow SolvTrue Recycler to finish running. The operator may monitor steady recovery at the product output port. Also, may ensure there are no excessive odors stemming from the SolvTrue Recycler.

14 Cycle has ended.



The screenshot shows the control panel with the following information:

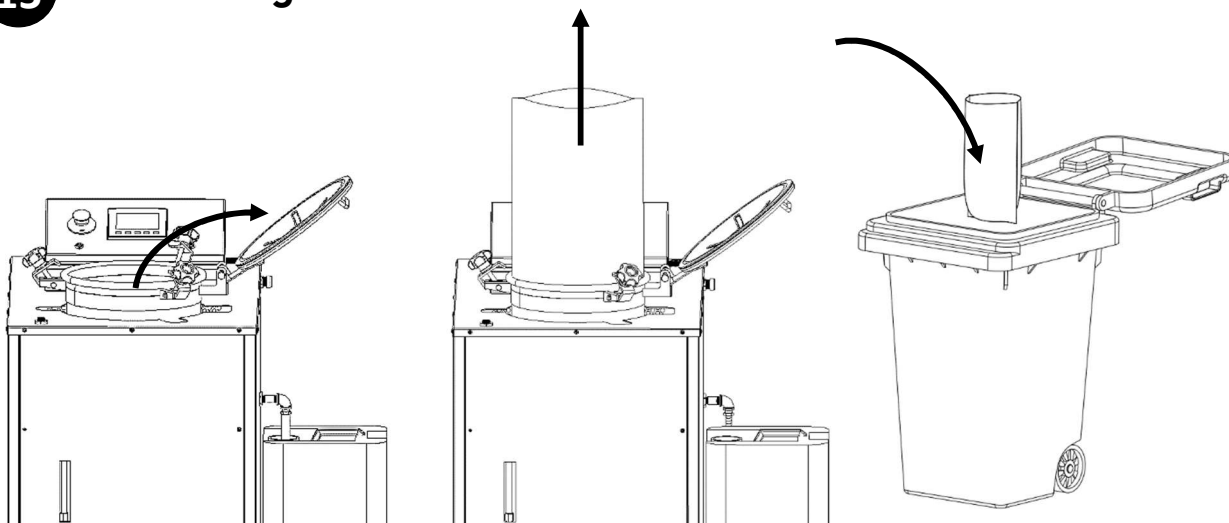
- UNITRONICS logo at the top.
- Operating Status: **End of Cycle** (highlighted in a dark box).
- Elapsed Time: 05:13:29.
- EOC Temp: 149.4 C.
- Condenser Temp: 22.3 C.
- Tank Temp: 24.4 C.
- Buttons: Abort, F1, F2, F3, F4, ESC.
- Model: V430.

An illustration of a hand is shown pressing the **Abort** button.

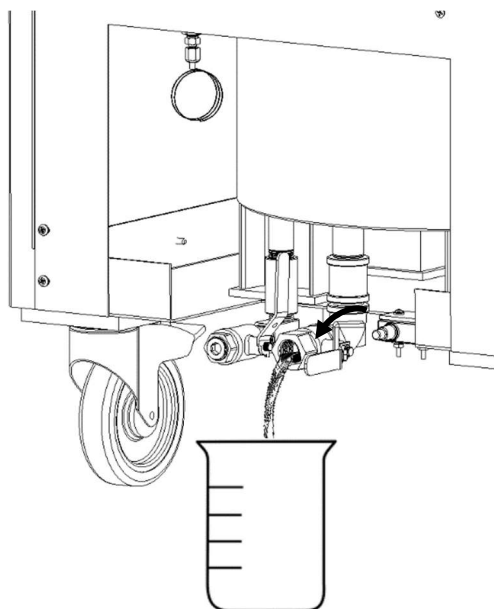
The operating status will indicate the cycle has ended. The total cycle time can be observed as well as the current condenser and tank temperatures. It is recommended the operator leave this screen up until the tank temperature has cooled to room temperature. Once tank has cooled, the operator may press ABORT to return to the home screen.

! DO NOT OPEN PROCESSING TANK UNTIL TANK TEMP. ≤ 30 °C

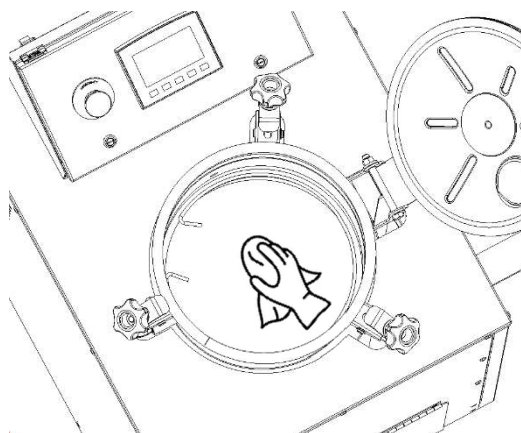
15 Removing the waste.



Open the processing tank lid, remove tank liner, & dispose of waste and liner in accordance with the appropriate federal and state guidelines. CBG Biotech recommends replacing the tank liner after every run.

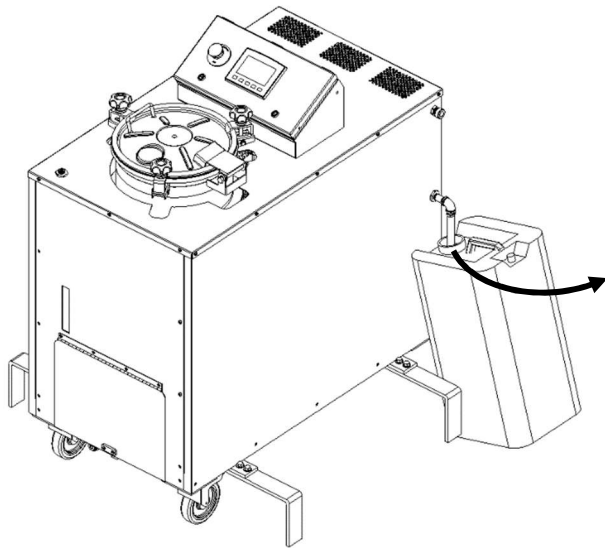


Open the waste drain valve and drain any residual solvent that got behind the tank liner. Wipe down the processing tank if necessary.



- ! Always remember to keep the processing tank clean, whether a tank liner is used or not. Failure to keep the processing tank clean will lead to longer run times and reduced recovery.

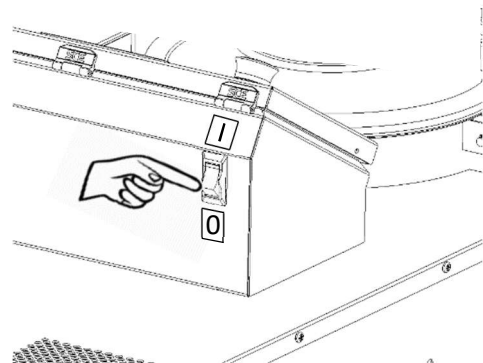
16 Collect clean solvent.



Remove recovery container from under the product port. This clean product can now be introduced back into your process.

17 Close up, power down, repeat.

Close processing tank lid and waste drain valve.
Power down SolvTrue Recycler at power switch.



18

Maintenance Tips.

Items to monitor:

- **Processing tank** – as mentioned above, it is important to keep the processing tank clean. Any build-up of waste (ex: resin, paint, asphalt, etc.) will lead to extended run times and reduced recovery yield.
- **Condenser** – it is important to make sure the condenser fins do not collect any dust or debris. This is not usually a problem if the recycler runs often, but if it sits, it is a good idea to check the condition of the fins before running.
- **Heat transfer fluid** – over time, the heat transfer fluid will begin to degrade. Like the oil in an automobile, changing the heat transfer fluid is the most important routine maintenance item. CBG recommends that the heat transfer fluid be changed ever 1000hrs of run time (or 1 year), and that the oil jacket is flushed every 2000hrs (or every other oil change). The computer on the SolvTrue S700 will remind the operator at 1000hrs that it is time to perform an oil change. When this happens, please call *800-941-9484 “option 3”* or email service@cbgbiotech.com to place an order for your DIY maintenance kit.

For a general instructional video on performing an oil change and flush on the SolvTrue Industrial Solvent Recyclers, please follow the address below:

<https://www.youtube.com/watch?v=YLpCcY0oj5M>

For SolvTrue S700 Recyclers with code version S7001.10 and higher navigate to the OPTIONS menu from the home screen and select JACKET FLUSH. Select pre-heat + flush. Set time for 4-8hrs and temperature to 160°C. Follow the remaining instruction displayed.

To reset your oil life counter, search for the following address:

<https://webmail.cbgbiotech.com/>

Input the RNG number displayed on the SolvTrue Recycler computer into the RNG text box on the website. Click “Calculate”. See code in the ANSWER text box and input the code into the SolvTrue Recycler computer.

For more detailed information on performing the oil change and flush, see instructions included with the DIY PM Kit.