



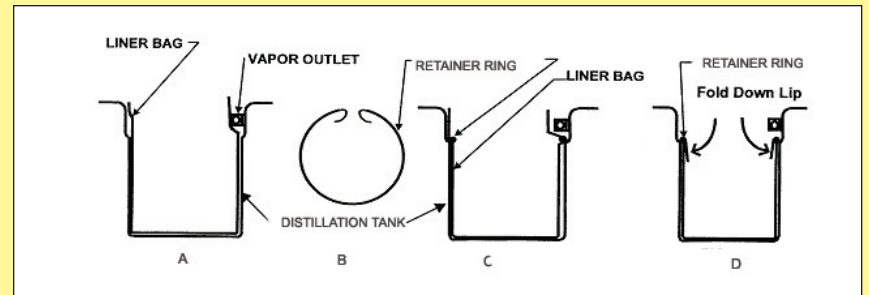
# 16 GALLON SOLVENT RECYCLER STANDARD OPERATING PROCEDURES

## 1) Install New Liner Bag

- Install a Liner Bag, PN LB1600E-10, so that the bottom of the Bag sits flat on the bottom of the Distillation Tank as shown in drawing A on right.
- With thumb and index finger, squeeze the Retaining Ring and insert it into inside of the Liner Bag as in drawing B and C. Let it go and make sure it fits securely in the groove. Fold the flap of the liner bag over the retaining ring.

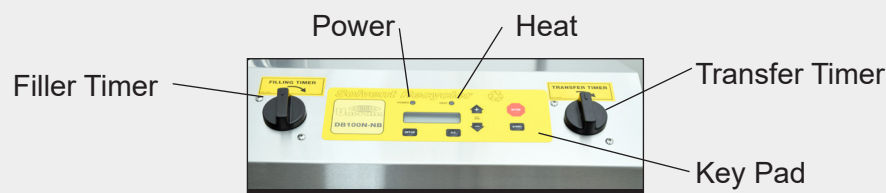
### Caution:

**Ensure that the bag material does not 1) block the Vapor Outlet Port or 2) get between the lid and tank.**



Installing New Liner Bag

- Open the Filler Valve, see photo on right. Turn Filler Timer to fill the distillation tank with used solvent to 3" below the Retaining Ring. Over filling can cause a blockage in the condenser passage way and leaking under the Lid Gasket. Check that the solvent flows without leaks from the used solvent drum to the Solvent-In Port at the back of the unit.  
**Close the Filler Valve, Lid and Cover.**



## 3) Start Recycling

Press "START" button. Distillation starts, the "HEAT" lights come on. The heat light flashes. If you want to stop recycling press "STOP". Do not pull the plug.

**DANGER: DO NOT OPEN THE COVER AND LID  
UNTIL THE DISPLAY SHOWS "READY".**

To change the temperature set point see the instruction in the manual or on the cover of the solvent recycler.

## 4) Recycling

**Recycling is complete when the display on the keypad shows "READY".**

## 5) Transfer Clean Solvent

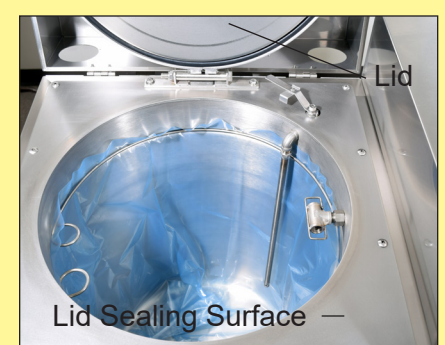
- Turn the Transfer Timer to transfer the clean recycled solvent to a clean external solvent drum.

## 6) Remove Debris:

- Wearing gloves and goggles, remove the Retaining Ring.
- Slowly pull the Liner Bag containing the debris out of the distillation tank in a way that the Liner Bag does not break. Dispose of the debris as a hazardous material unless local regulations state otherwise. Do not leave old waste in the distillation tank and later top up with new solvent to recycle.  
NOTE: If the bag sticks to the bottom of the tank, turn the recycler on for 5 minutes to loosen the bag from the bottom of the tank, then lift the bag out while the tank is warm.  
Do not reuse a liner bag. Use a new liner bag after each recycling for effective removal of waste.

## 7) Clean Distillation Tank

Remove any remaining debris from the Distillation Tank. If necessary add virgin solvent or ethylene glycol (anti freeze) and clean with plastic or wooden tools. Wipe and dry the tank with a cloth. Do not clean with abrasive or metal tools that can damage the tank. Dirt and debris left in the tank can prevent full heat from reaching the solvent during recycling.  
**Note:** There will be about 1/4 Gal (1 L) of solvent remaining in the Distillation Tank after recycling due to condensation. This solvent, If left in the tank, can cause corrosion.



## 8) Clean Lid Sealing Surface:

Use a cloth. Clean and dry 1) the lid and Lid Gasket and 2) the lid sealing surface which is the top of the tank where the Lid Gasket sits. See photo on right. This cleaning extends the life of the Lid Gasket and prevents leakage. Avoid rotating the lid during cleaning.



# 16 GALLON SOLVENT RECYCLER STANDARD MAINTENANCE AND SAFETY PROCEDURES

## BEFORE EACH USE:

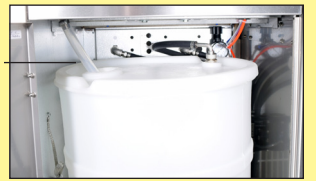
### Inspection:

- Open the door of the cabinet and make sure the Solvent Outlet Tube is inserted into the top opening of the Receiving Drum. See photo on right.
- Inspect the Lid Gasket for cuts and hardened sections. With each recycling, check for solvent leaks under the Lid Gasket. A damaged Lid Gasket leads to poor sealing and vapor leakage which is dangerous and wasteful. Replace a damaged Lid Gasket per the Maintenance Procedures below. Replace the gasket at least every 6 months.

### Cleaning:

- Ensure the top surface of the tank is clean and free from paint and contaminated solvent to allow the lid to seal securely. Ensure the tank is also clean and free from damage.

Solvent Outlet  
Tube



Receiving Drum

## EVERY 3 MONTHS:

### Inspection:

- Confirm that the solvent recycler is connected to building power using an **explosion proof plug and receptacle** (or an explosion proof hard connection). As this equipment uses solvent, an explosion proof connection is mandatory for safe operation and mandatory to maintain the product certification to UL 2208 and CSA 22.2. The explosion proof receptacle is shown at the bottom of this page.
- Confirm that the ground wire is connected to the Receiving Container if the pail is metal.
- Treat the area around the solvent recycler (16 inches at the back of the solvent recycler, 10 feet at each side and front) to be a Class 1, Division 2 Explosion Proof Area. Keep this Area clear; free from debris, other hot surfaces, hazards and free from all sources of ignition such as non explosion proof receptacles. Ensure that this Area is well ventilated to dissipate any solvent vapor that arises from the operation of the solvent recycler.
- If the solvent recycler needs repair, call the Uni-ram Service Engineer at 1-800-417-9133. Repairs must be carried out by a qualified explosion proof repairer.

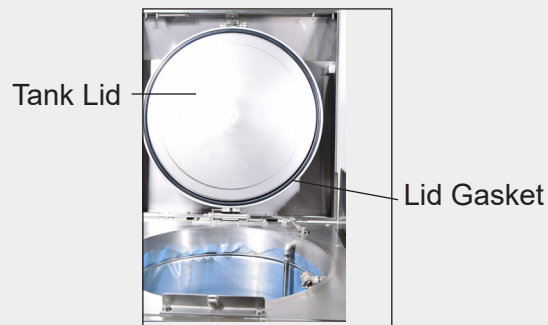
### Cleaning:

- Clean 1) the Condenser and 2) the Vapor Outlet Port per the Maintenance Procedures below.

## MAINTENANCE PROCEDURES

### Replacing The Lid Gasket

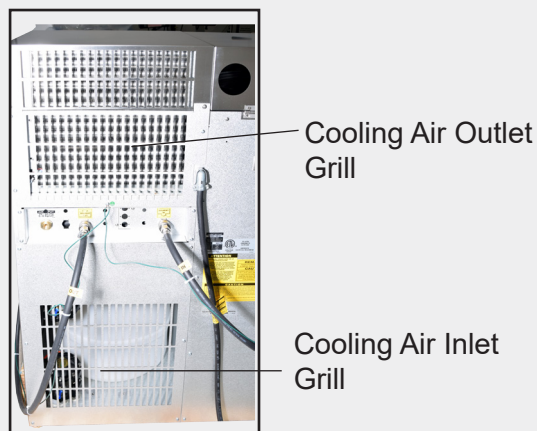
1. Open the Safety Cover and the Tank Lid.



2. Unscrew the gasket retainer ring, then remove the Lid Gasket.
3. Clean the edge of the lid where the Lid Gasket was located with a scuff / abrasive material (non-woven), so that all contamination is removed before the new Lid Gasket is installed. Press a section of the lid gasket into the groove with your fingers. Gradually work your way around the ring. It is important that the ring is flat with no deformations. Tighten the clamp. Do not use tools or sharp objects to install the new Lid Gasket as they may damage the gasket.
4. In order to verify the proper functioning of the Lid Gasket, recycle 10 litres of clean water.

### Cleaning the Condenser

Use a vacuum cleaner with a brush attachment to clean dust from the Air Inlet and Outlet Grill. See below. This cleaning will remove dust from the Condenser Fins to allow effective cooling of the condenser.



### Cleaning the Vapor Outlet Port

1. Unscrew the Vapor Outlet Port and clean with a small metal pin. Allow the port to soak in thinner before cleaning, if necessary. It is important that both openings of the port are free from debris to prevent blockage.

Distillation Tank



2. Place a cloth over the Vapor Outlet Port. With a blow gun, blow air through the Solvent Outlet Tube located inside the door, above the receiving pail. Material in the condenser, if any, will exit from the Vapor Outlet Port into the tank.
3. Recycle 10 gallons of clean solvent to flush the Vapor Outlet Port and condenser.

Explosion Proof  
Receptacle



As this equipment uses solvent, an explosion proof connection is mandatory for safe operation and mandatory to maintain the product certification to UL 2208 and CSA 22.2.