

PERC to DRY SOLV[™] Conversion Checklist

- Drain all PERC from the machine and all piping.
- Clean and scrape the still to remove all Perc residues.
- Wash machine and all piping thoroughly with soap and water, taking care to remove as much built up lint as possible from coils, lint screens, button trap, etc., which may retain Perc residues.
- Allow machine to air out at least overnight.
- Replace all incompatible gaskets and seals with compatible materials (Viton A or Viton B)
- Replace Cast Aluminum Still Doors with Stainless Steel
- Reduce Steam Pressure to Still/Coils to 20 PSI (+/- 5 PSI)
- Paint or Insulate Steam Piping in the Plant (recommend Thermaline epoxy paint available from DCT)
- Disconnect Spin Disk Filters and Carbon Recovery Units from piping
 - Remove air lines to pneumatic valves or pull solenoids
 - Remove filter routines or carbon recovery routines from computer program
- Program Machine for Straight Distillation every cycle instead of Filtration
- Reprogram Machine Computer
 - 4-6 Minute Wash
 - Set Dry Temperature to 155F
 - Set Cool Down Temperature to ~100F (Use trial and error for timed cool downs)
 - Operate out of only one or two base tanks. Use one as a holding tank for returned distillate solvent and the other as the tank to pull clean solvent from for each wash cycle. Alternatively, just use one base tank for both operations if capacity is sufficient.
- Use a Halogenated Leak Detector to search for possible leaks around all gaskets, seals, doors and the bearing housing. The following are two recommended models for detection of DrySolv[™] vapors.
 - Inficon Tek-Mate Perc Leak Detector
 - TIF Instruments Model #TIFZX-1 Refrigerant Leak Detector
- Double Check that all previous checks have been performed before transferring fresh DrySolv[™] into your machine.