



Reclamation Technologies, Inc.

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"Our Quality and Service Exceeds all of Your Refrigerant Needs!"

How To Avoid Mixed Refrigerants

With the final phaseout of HCFCs and the plethora of replacement blends on the market, the job of an HVAC/R technician has gotten complicated. To avoid mixed refrigerants, you must pay extreme attention to detail. With limited destruction technology options, costs for mix disposal will only increase as there is more demand for mixed refrigerant disposal.

We have reclaimed over 1.75 million pounds of refrigerants since 1997, without mixing. It is possible, it just takes very methodical attention to the details.

- Make sure your recovery machine is completely empty from previous refrigerant recovery jobs. Yes, I mean empty. Valves open, both high and low-side gauges read 0 psi.
- If your recovery machine uses a filter, change it.
- Turn on your recovery machine and allow it to pump air while cycling all of the 3-way valves.
- Clearly mark your recovery tank with the refrigerant type to be recovered.
- Bleed refrigerant through your recovery machine and hoses to flush out air.
- Proceed with your refrigerant recovery.

We test incoming used refrigerant on a gas chromatograph. This machine is very accurate. With three decades of experience, we can often tell what a technician has done by the purity of the refrigerant.

- Refrigerant that is slightly mixed (96% - 99%). This is a technician trying to do the right thing. They have diligently used separate recovery tanks for different types of refrigerant. Their mistake is that they didn't clean their recovery machine using the procedures listed above.
- Refrigerant that is below 96% in purity. This technician is in a hurry and one of the following scenarios might explain this mix.
 - The technician has failed to label a recovery tank and "guesses" what refrigerant it contains. You can't rely on pressure temperature charts. Label everything.
 - The technician knowingly mixed refrigerant by using the same recovery tank for different refrigerants.

Please hold your technicians accountable for mixed refrigerant. We can handle mixed refrigerant for you, but at significant cost! We simply must pass on our costs for destruction of mixed, unreclaimable refrigerant.

Reclamation is the only source for R22 going forward. You need a viable refrigerant reclaim industry! If you help us to avoid mixed refrigerant, we will be able to supply your R22 needs for decades to come.