

(866) 383-2653

TDI
REFRIGERATION



Industrial Refrigeration Commercial AC Heating & Controls

R-22 Restrictions to Significantly Increase in 2015 Save Money by Switching to R-407A

The sun is setting on R-22. Cutbacks to how much of the refrigerant could be imported into the US were first mandated in 1989 and have increased considerably in recent years. As you've probably noticed, this limitation of supply has resulted in ever-increasing Freon prices.

The most recent requirements were for a 75% reduction in R-22 usage nationwide. The cutbacks will increase to a whopping 90% in 2015, raising prices significantly. The expected 99.5% cut in 2020 may essentially price everyone out of the market.

This does not impact the R-22 already in your refrigeration or HVAC systems, of course. But leaks are inevitable, so at some point you will need to buy more refrigerant to keep your systems running.



What can be Done?

R-407A is an excellent alternative for direct expansion systems. Conversions to R-407A are unique because they are one of the few retrofits that are *just as efficient* as the original R-22 system! In some cases, R-407A is *more* efficient due to the lower discharge temp and the elimination of demand cooling. It is also about 65% cheaper, a discount that will likely improve as R-22 becomes scarcer.

[TDI Refrigeration](#) has retrofitted many savvy facility owners' and managers' systems with R-407A. First, the remaining R-22 in a system is removed and sold to a third party that will refine and re-sell it (depending on the purity of the recovered refrigerant). If the recovered refrigerant is able to be resold, you will receive the current buy-back value of the recovered refrigerant. TDI's experienced technicians then change the oil to POE oil. The POE oil will not cause the seals to expand like AB or mineral oil, thus the seals will be replaced to prevent leaks. Finally, new R-407A is charged into the system and all expansion valves are set to the correct superheat.

Prices for R-22 are only going to increase. Consider making the long-term investment in your facility by switching to R-407A. [Contact TDI Refrigeration](#) today with questions or to request a free onsite evaluation.

■ Clean Coils are Key

■ Condensers that are regularly cleaned are better for your budget *and* the environment. They provide superior heat transfer for the refrigerant, resulting in optimal system pressures and reduced electricity usage.

How often should they be cleaned?

Refrigeration condenser coils, as well as evaporator coils, should generally be washed quarterly with water and cleaner. However, it depends on how dusty the area is and the cleanliness of the facility. These variables can make it a challenge for busy facility managers to keep track of *what* needs to be cleaned and *when*.

TDI's [preventative maintenance program](#) can help. We offer competitively priced plans, adapted to meet your needs, keeping your coils clean and systems running at optimum efficiency.

We recently asked John Dahl, Facilities Supervisor at US Foods, what he thought of the service: "It's excellent. Your technicians are informative and already know what they need to do."

Give us a call at (866) 383-2653 and we'll be happy to answer questions or provide an estimate to keep your systems running at maximum efficiency.



■ ■ ■ Retrofit your existing Quantum to HD

Rather than install a new panel, save thousands by retrofitting your existing Quantum, Quantum 4A or Quantum LX controllers to the Quantum HD without even removing the existing enclosure.

This offers the same great performance and warranty as a full panel, with significantly less labor costs. TDI's experienced techs often perform this retrofit in just two hours per panel!



[Contact us](#) today to learn more or schedule a retrofit.

■ ■ ■ **TDI Refrigeration**
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