



**Did You Know?**

There is no shortage of R-22 alternatives in the market place, and those marketed as “drop-ins” may not be an approved or appropriate alternative. Keep in mind that neither energy savings, nor capacity, nor operating improvement is a valid basis for retrofitting R-22.

**Building Owners Have 3 Options:**

Option:	Best For:
1. <b>Replace</b> R-22 equipment with new, more efficient equipment	Equipment that is approaching or beyond its useful life
2. <b>Retrofit</b> equipment with an approved R-22 alternative (but with a slight reduction in capacity and efficiency)	Older equipment with remaining useful life
3. <b>Wait</b> to take action	Equipment in good working order where refrigerant replacement cannot be justified

**How Can We Help You?**

**Bahnsen Mechanical Systems**  
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R-22 is the most commonly used refrigerant in commercial HVAC and refrigeration equipment. Scientists and environmentalists indicate that this chlorine-based gas refrigerant plays a role in depleting the ozone layer and contributes to global warming. Due to its harmful effects on the environment, R-22 is being phased out under the Environmental Protection Agency’s (EPA) Clean Air Act in favor of more environmentally friendly alternatives.

**The Phase Out**

The EPA began phasing out R-22 in the early 2000s and although a complete phase out of R-22 production was always planned for 2020—when no new R-22 will be produced or imported—the EPA accelerated the phase-out schedule in late 2014.

As a result, R-22 availability from 2015 through 2020 has now been significantly reduced, as reflected in the chart below. Annual demand now exceeds allowable production limits by a wide margin. As a result, inventory and availability of R-22 will decrease, which we anticipate will cause costs of R-22 to continue to rise for both new and reclaimed refrigerant.

**Impact on Building Owners**

EMCOR is the largest non-OEM contractor in the industry in the U.S., so you can rest assured that we have access to enough R-22 at this time to meet your equipment needs. Be aware: Rising R-22 costs will result in more expensive refrigeration-related repairs. For facilities with equipment that is either approaching or beyond its useful life, this could become a significant unplanned expense.

**Bottom-line:**

There isn’t a one-size-fits-all solution, so understanding the lifecycle of your systems and developing a strategy to avoid common pitfalls that could lead to future problems is paramount.

**Call your Bahnsen Mechanical Systems Account Manager to understand your options.**

We will assess your equipment and provide guidance on the most efficient choice based on your equipment size, compressor type, annual run hours and equipment age.

**R-22 Proposed Allocation Rule**

