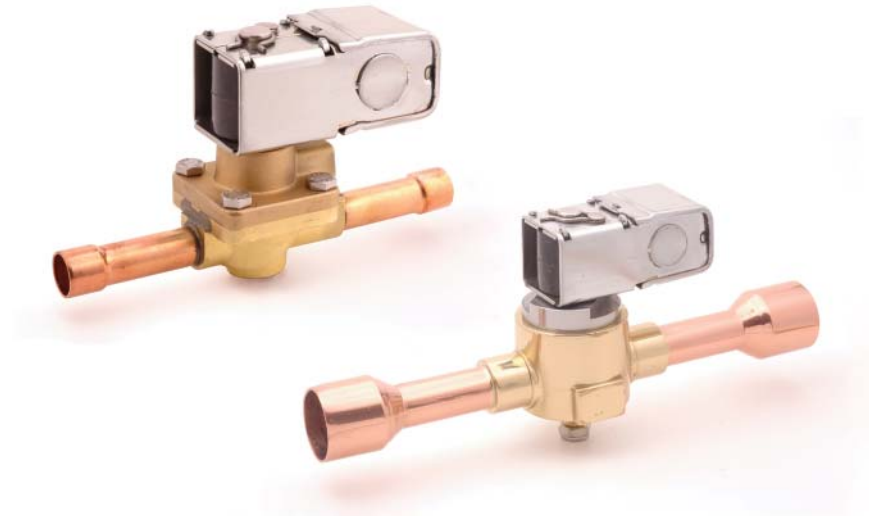


# Refrigerant solenoid valves



## Better by design

Emerson Climate Technologies industry-leading solenoid valves offer a full range of sizes and features for most refrigeration and air-conditioning application. Install them in a supermarket, a refrigerated truck, an ice machine or a commercial rooftop unit for trouble-free, leak-free functionality. Choose refrigerant solenoid valves in field-replacement applications for peace of mind – knowing they will perform reliably – protecting the system and your reputation.

### Best in class external and internal leakage

Emerson solenoid valves feature proprietary gasket technology which virtually guarantees hermetic performance over the life of the valve while still allowing field serviceability. The graph to the right shows that Emerson gasket technology minimizes leakage over the life of the valve – keeping leaks well below the industry's allowable level.

But the Emerson design innovations extend far beyond the gaskets. Our choice of dissimilar materials (brass piston in stainless steel collar) minimizes wear and ensures longer life. We specify the highest quality stainless steel plunger material to eliminate the possibility of residual magnetism so that the valve will not malfunction or stick in the open position. Even if the valve is oversized, our design ensures failsafe operation.

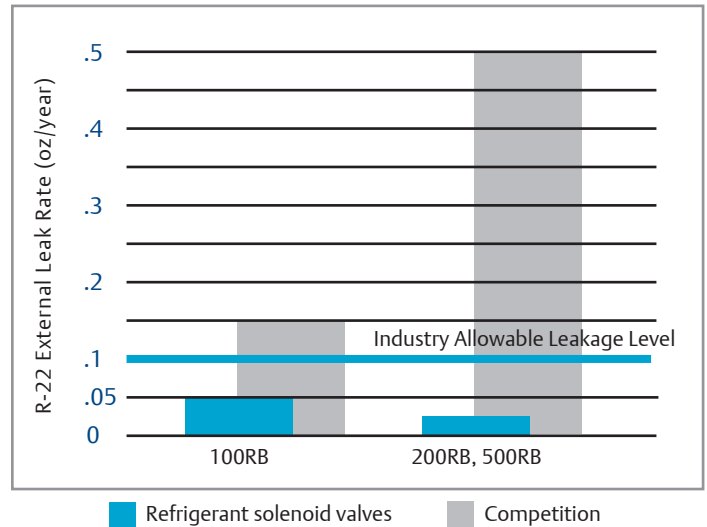


## Saving the contractor time and money

Emerson offers one coil series for every field-serviceable solenoid valve. This means a lot less inventory on the wholesaler's shelf and in the contractor's truck. Emerson coils have interchangeable housings allowing more field flexibility.

- Less product a contractor is required to carry on his truck to accommodate different jobs
- No question as to which coil model to install
- A full line of voltage options to meet any application
- Insulated coil windings for added protection against water, shock and vibration
- Innovative clip design snaps the coil in place so there are no screws to lose

## Emerson refrigerant solenoid valve external leak test results after thermal cycling



Feature	Advantage	Benefit
100% factory tested for both external and internal leaks	Reduces refrigerant leaks and maintenance	Improved food quality, reduced food spoilage and fewer call backs
Dissimilar materials (brass piston in stainless steel body)	Less scoring	Minimizes wear and ensures longer life
Gasket technology	Provides a non-porous, high-integrity seal that can be replaced for "new valve" performance	Zero leaks for trouble-free performance and maintenance
Repair kits for all sizes and applications	Easier solenoid repairs	Saves time and money
Manual override stem option	Valve can be manually opened during system start-up and service	Reduces service time and simplifies troubleshooting
Hot gas capability on all models	Each design platform is suitable for wide temperature ranges	Offers maximum application versatility with one valve size used on all applications
Available in ODF, SAE and extended ends	Offers a full range of connections	The right connections are available for each job without the need for adapter fittings
UL/CSA certification	Conforms to internationally recognized safety requirements	Assures the designs are safe
Single coil family for all models and applications	Minimizes stocking requirements	The right coil size is always available for quick service