



Emerson Is Ready...

...with R-410A-approved valves, controls and system protectors.

Choose experience. Choose expertise. Choose Emerson.

For manufacturers, contractors and consumers alike, the use of nonchlorine hydrofluorocarbon (HFC) refrigerants demands new technologies that are optimized for environmentally friendly equipment. Emerson Climate Technologies is ready to help you meet these challenges. That's because for more than a decade, Emerson has led the industry with R-410A products. We've already installed more than 10 million Copeland Scroll® compressors in R-410A systems around the world. And we're building on that leadership position today, by offering you a wide range of R-410A-approved valves, controls and system protectors.

Over the past 10 years, we've offered the insight and innovation – plus unmatched technology advancements – that help set you and your products apart from your competitors. And that helps keep customers everywhere comfortable and satisfied.

Now our teams of engineers and application experts have designed, developed and delivered an array of valves, controls and system protectors specifically optimized for use with R-410A and polyol ester (POE) oils. That's why when it comes to R-410A, Emerson has you covered.



C-Series TXV



EKZ Filter Drier



200RD Solenoid

EMERSON
Climate Technologies



Hermetic Moisture Indicator



EX Series Electronic Control Valve



TFE-Series TXV



BFKZ Filter Drier

Partner with the proven performer.

From system protectors and thermal expansion valves (TXVs) to oil controls and electronic valves, Emerson Climate Technologies has you covered, with approved – and optimized – R-410A technology.

System protectors

The premium R-410A-optimized EKZ and BFKZ Filter Driers feature 100 percent molecular sieve desiccant for high water capacities. The standard R-410A-approved EK and BFK Filter Driers provide the acid-removal capacity needed for field-service replacements. Emerson's Hermetic Moisture Indicator (HMI) indicates harmful moisture levels in R-410A systems before damage is done.

Thermal expansion valves

The C-Series TXV is designed and optimized specifically for residential R-410A systems and is the only valve in the industry with a power-element design that matches the valve's response to the R-410A system characteristics. C-Series technology allows for more precise control and new levels of compressor protection. When paired with an R-410A Copeland Scroll compressor, you have the most reliable, efficient R-410A system available. Our TFE-Series TXV delivers the same benefits for commercial systems.

Oil separators and controls

Emerson's R-410A-approved oil control technology provides peace of mind for process-chiller applications. Oil filters, oil separators and electric oil level controls for refrigeration systems ensure peak performance and efficiency, while maintaining proper compressor lubrication.

Solenoids

Emerson's 200RD solenoid valve is not only approved for high-pressure R-410A systems, but also has the industry's lowest leakage rates. Furthermore, Emerson offers one coil series for every field-serviceable solenoid valve. This allows wholesalers and contractors to minimize stocking requirements.

Shut off valves

The ACK check valve prevents reverse refrigerant flow in liquid lines and compressor discharge lines in high-pressure R-410A systems. For R-410A refrigeration applications, the new compact and lightweight BV-Series ball valve isolates suction, discharge and liquid lines during maintenance shutdown.

Temperature pressure controls

Emerson's PSC mini pressure control provides the ultimate in reliability and flexibility for commercial-grade R-410A applications. The FSX electric fan speed control maintains the head pressure in air-cooled condensers and is approved for R-410A.

Electronic valves and controls

EX4–8 electrical control valves are driven by bipolar stepper motors and feature the fastest response time in the industry. They meet today's most demanding R-410A application requirements for long-lasting, reliable, precise control of refrigerant flow, while reducing operating costs.

Learn more about our R-410A-approved products at
EmersonClimate.com/flowcontrols

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