

Emerson™ XEV Kit

Replacement valve kit for refrigeration systems

Everything you need to install an energy efficient electronic solution

The Emerson XEV kit includes a combination of commonly needed components for field installation of an energy efficient, electronic expansion valve solution. The kit includes the Emerson EX series valve, XEV controller, pressure transducer, temperature sensor, transformer, and all associated cables, all in one box. The key benefits include:

- Applicable to multiple refrigerants, including R-404A, R-507, R-407A, R-22, R-134a, R-410A and subcritical CO₂
- Several kit offerings for a wide range of valve capacities
- Specific kit instructions included for faster installation
- XEV-EX48 controller is pre-programmed for use with the included components, allowing for easy setup
- An RS485 serial link allows the XEV-EX48 controller to connect (via Modbus®) to monitoring systems, including Emerson's E2 system controller
- Controller kit also available that includes all control components without the EXV solution.





The XEV kit allows contractors to service systems easily with the tools they need in one easy-to-use package. Contractors will benefit from the convenience of this kit while providing their customers with a better performing refrigeration system and energy efficiency savings.

The EX Series stepper motor driven valves are designed for commercial AC and refrigeration applications and feature the fastest response time in the industry and a unique ceramic gate design that provides consistent linear control and superb resolution. Complementing the EX series valves, and also included in the XEV kit, is the Emerson XEV superheat controller. Emerson's EX series valve and XEV controller allow customers to manage refrigerant systems electronically and ensure a stable flow of refrigerant, measured precisely to the needs of the system, across a wide range of operating conditions.

The broad operating range, excellent resolution, and outstanding control characteristics of the Emerson XEV kit provides the framework for stable environment temperatures, faster pull-downs, and floating head pressures, which can result in substantial energy savings.

Ordering Information

PCN	Description	Includes
Individual Controller		<ul style="list-style-type: none"> • XEV EX48 controller* • XEV electrical connectors
900001	XEV EX48	
Complete Kits		<ul style="list-style-type: none"> • XEV EX48 controller* • XEV electrical connectors • EX valve (4,5,6,7,8) • EXV-M60 valve cable • PT5-18M pressure transducer • PT4-M60 transducer cable • ECN-N60 temperature sensor • 90-T40F3 24V transformer, 40VA 60HZ 120/208/240V
900004	XEV EX4 KIT	
900005	XEV EX5 KIT	
900006	XEV EX6 KIT	
900007	XEV EX7 KIT	
900008	XEV EX8 KIT	
Complete Kit Less Valve		Complete kit components listed above, without a valve
900003	XEV Kit Less Valve	
Refrigerants		
R-404A, R-507, R-407A, R-22, R-134a, R-410A, CO ₂ subcritical		

*The XEV-EX48 superheat controller comes pre-set to specifically work with all other Emerson components listed above.