

R-22 Electric Expansion Valve (EEV)

Electric Expansion Valves (EEV) are used in higher SEER rated air conditioning systems, high efficient commercial air conditioning systems, and high efficient refrigeration systems.

When converting from R-22 to ANY other refrigerant the EEV will not control superheat as designed. EEVs are specific to the refrigerant, the refrigerant is encoded into the memory of the controller where the information is stored electronically and cannot be altered.

Replacing an EEV with a Thermostatic Expansion Valve (TEV) will be a challenge and in most cases with no success. The EEVs controller may be controlling other components in the system and may shut down compressors because it is sensing temperatures/pressures that are out of the controller's envelope.

ICOR International recommends that systems that are designed with an EEV stay with R-22.

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