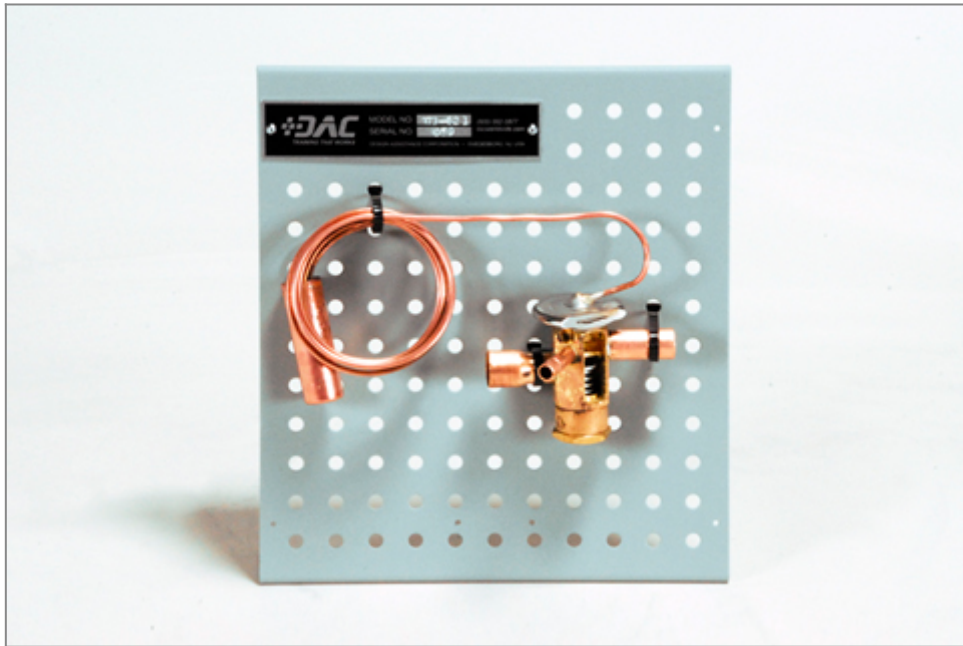


# ACR Thermostatic Expansion Valve Cutaway, Fixed-Type



Model: 373-521

DAC Worldwide's ACR Thermostatic Expansion Valve Cutaway, Fixed-Type (373-521) is a professionally-crafted, sectioned example of a common fixed, externally-equalized, thermal expansion valve used in refrigeration and air-conditioning systems for basic metering applications. Located in the system liquid line ahead of the system evaporator, these training devices help regulate the rate of refrigerant into the evaporator.

A full cutaway view of the powerhead, and valve body unveils all primary operational components, and aids in the understanding of the operating principle of the device. Multiple cutaways unveil all internal components, which enhances classroom training in HVAC system design, maintenance, troubleshooting, and preventive/predictive maintenance.

The full-size, fully-detailed example gives learners a first-hand view into a component that is found in various applications worldwide. This professionally-crafted, yet-economical component sample will enhance any training activity relating to commercial and industrial air conditioning and refrigeration systems.

## **Enhance Training with Hands-On Cutaway Industrial Components**

This ACR Thermostatic Expansion Valve Cutaway, Fixed-Type provides a full cutaway view of an expansion valve that exposes the complete internal components and operating principles. The device can be used independently using an optional tabletop mounting foot, or combined with similar devices on optional display and storage frame assemblies.

The cutaway features carefully-planned cutaway areas that are individually mounted, and possess the ability to be removed from the baseplate for convenient classroom use. All of the cutaway's components are also visible and have been retained, enhancing students' visual learning. This carefully-crafted teaching aid will support instructor-led training and independent student self-discovery in a variety of vocational and academic air conditioning and refrigeration programs.

The equipment used within the cutaway is cleaned, primed and painted using a high-endurance urethane coating, providing durability to stand up to frequent use. In addition, all of the component parts are color coded to enhance the learning process.

## **Expand Training with Additional HVAC Model Options**

The ACR Thermostatic Expansion Valve Cutaway, Fixed-Type is only one of DAC Worldwide's expansive HVAC training cutaways, which includes an ACR Solenoid Valve Cutaway (373-502), a Heat Pump Reversing Valve Cutaway (373-505), and ACR Magnetic Check Valve Cutaway (373-510), a Condenser Pressure Control Valve Cutaway (KVR) (373-519), and more!

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## **FEATURES & SPECIFICATIONS**

- Full sectioning of a name-brand thermal expansion valve (*popular models by well-known manufacturers are chosen for industrial/commercial relevancy*)
- 13-gauge formed-steel mounting panel with provision for convenient mounting on related display and storage products
- Customized component mounting saddles and support straps
- Teacher cutaway unveils all internal features including: diaphragm, control spring, pushpins, and other key
- Laser-cut, numbered call-outs, flow arrows, and designators showcasing component features, and flow pattern
- Packaging for shipment via mail service, parcel service, or courier

## **PRODUCT DIMENSIONS**

- **Product Dimensions**  
(L x W x H)  
10.5" x 9" x 4.5" (265 x 225 x 115 mm)  
4.5 lbs. (2 kg)
- **Shipping Dimensions**  
(L x W x H)  
12" x 12" x 12" (300 x 300 x 300 mm)  
5.5 lbs. (2.5 kg)

## **OPTIONS**

- Recommended 373-002 Tabletop Support Frame
- #373-001 - Tabletop Support Foot
- #373-002E - Tabletop Support Frame Assembly, Extended

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