

Thermostatic Expansion Valve for Refrigeration Systems

This thermostatic expansion valve (TXV) regulates the flow of refrigerant into the evaporator of a refrigeration or air conditioning system. The valve maintains a constant superheat of the refrigerant vapor leaving the evaporator, optimizing system efficiency and preventing liquid refrigerant from entering the compressor.



Product Overview

Precision Refrigeration Control

This thermostatic expansion valve (TXV) is engineered to precisely regulate refrigerant flow into the evaporator of refrigeration and air conditioning systems. By maintaining a constant superheat of the refrigerant vapor, it optimizes overall system efficiency and protects the compressor by preventing liquid refrigerant intake. Designed for durability, this valve ensures reliable performance even in the most demanding operational environments.

Technical Specifications

Key Components

- Sensing bulb
- Capillary tube
- Valve body
- Adjustable superheat settings

Primary Applications

Refrigeration Systems, Air Conditioning Systems

Performance Metrics

Operational Benefits

1 Constant

Superheat Control

1 Liquid Prevention

Compressor Protection