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Product quotation

Thermostatic Expansion Valve



Call for price (01728262625)

How it Works

- Temperature Sensing:** The TXV incorporates a sensor bulb connected to a capillary tube. This bulb is strategically placed to sense the temperature of the refrigerant at the evaporator outlet.
- Valve Adjustment:** Based on the temperature reading from the sensor bulb, the TXV adjusts its valve opening. If the evaporator temperature is low, the valve opens wider to allow more refrigerant to flow. Conversely, if the temperature is high, the valve closes to reduce the flow.
- Optimized Performance:** By precisely controlling the refrigerant flow, the TXV maintains the evaporator at the ideal temperature for efficient heat exchange. This optimization leads to improved system performance and reduced energy consumption.

Benefits of Using a Thermostatic Expansion Valve

- **Enhanced Efficiency:** Precise control of refrigerant flow results in significant energy savings.
- **Improved System Performance:** Maintains optimal evaporator

temperature for efficient heat transfer.

- **Reduced Wear and Tear:** Lower stress on the compressor and other components, extending their lifespan.
- **Lower Operating Costs:** Reduced energy consumption translates to lower operating expenses.

Choosing the Right Thermostatic Expansion Valve

Selecting the appropriate TXV for a specific application is crucial. Factors to consider include:

- **Refrigerant Type:** The TXV must be compatible with the refrigerant used in the system.
- **Capacity:** The TXV's capacity should match the system's cooling or heating load.
- **Operating Pressure and Temperature Range:** The TXV must be capable of handling the system's operating conditions.
- **Installation Orientation:** The TXV should be installed in the correct orientation to ensure proper operation.

Why Choose Aquafit Technologies for Your Water related product

When it comes to selecting a water related product, Aquafit Technologies stands out as a top choice for several compelling reasons. Here's why our clients prefer us over others:

1. **Economical Pricing:** We offer high-quality product at competitive prices, ensuring that you get the best value for your money without compromising on quality.
2. **Rapid Service:** Our dedicated team provides quick and efficient service, addressing any issues or queries promptly to ensure your purifier remains in optimal condition.
4. **Extensive Service Network:** With over fifty service centers across Bangladesh, we ensure that help is always close by, no matter where you are.
5. **Affordable Parts:** We provide parts at the lowest prices, making it economical to maintain your product and keep it running efficiently.

7. 24/7 Service Centers: Our service centers operate around the clock, offering support whenever you need it, including evenings and weekends.

8. 100% Return Policy: We stand by the quality of our products with a 100% return policy on any default items, ensuring complete customer satisfaction.

9. Client Satisfaction First: At Aquafit Technologies, we prioritize client satisfaction above all else, striving to exceed your expectations with every interaction.

10. Flexible Payment Options: We accept payments through more than 20 bank cards and mobile banking services, making transactions convenient and hassle-free.

Choosing Aquafit Technologies means opting for quality, reliability, and exceptional customer service. Experience the difference with our top-rated products and join the many satisfied clients who trust us for their water purification needs.