

# Thermostatic Expansion Valve with Copper Body

This expansion valve features a durable copper body. Its stainless steel diaphragm ensures accurate temperature control in refrigeration and air conditioning systems.



## Product Overview

### High-Performance Thermostatic Expansion Valve

This thermostatic expansion valve is engineered with a high-quality copper body and a durable stainless steel diaphragm for long-lasting reliability in refrigeration systems. It features a replaceable valve core and flexible cooling capacity adjustments, ensuring precise temperature control. Designed for versatility, this valve supports a wide range of common refrigerants and maintains constant overheating levels for optimized system efficiency.

## Technical Specifications

Safe Working Pressure	450 Psig
Maximum Temperature	165 °F
Connection Size	1/2" (Inlet) * 3/8" (Outlet)

## Compatibility

Supported Refrigerants	R12, R22, R502, R134A, R407C, R404A, R507
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## Performance Data

### Nominal Cooling Capacity (KW)

Valve Core Type	R134A	R22	R404A/R507
STO-00X	0.3	0.5	0.4
STO-000	0.8	1.3	1
STO-001	1.9	3.2	2.3
STO-002	3.1	5.3	3.9
STO-003	5	8.5	6.2
STO-004	8.3	13.9	10.1
STO-005	10.1	16.9	12.3
STO-006	11.7	19.5	14.2