



VALVES & REGULATORS

Emerson TER Series

BRAND

Emerson

SKU

RC_PROD_019

CATEGORY

Valves & Regulators



OVERVIEW

The Emerson TER is the entry frame of the T-Series large-capacity, balanced-port, take-apart thermostatic expansion valves — covering nominally 22 to 45 tons on R-22 (13–25 tons R-12; 14–27 tons R-404A/R-507). The T-Series take-apart architecture is the defining feature: the valve is assembled from three interchangeable, field-replaceable components — cage kit, body flange, and power assembly — so a failed valve is serviced in-line by swapping the affected component rather than cutting the whole valve out. Balanced-port construction keeps superheat control stable across wide operating pressure ranges, and all large-capacity R-frames (TER, TIR, THR, TMR) are inherently externally equalized. External superheat adjustment and bi-directional capability round out a platform built for serviceability on big systems.

KEY FEATURES

Take-apart construction

cage, flange, and power assembly replaceable in the field

Balanced port design

for stable, accurate superheat control (22–100 ton family)

External equalization standard

on all R-frame large-capacity valves

External superheat

adjustment

SPECIFICATIONS

PARAMETER	VALUE
MAX. WORKING PRESSURE	450 psig (31 bar)
TORQUE BOLTS	300 in-lbs
NOMINAL CAPACITY (R-22)	22 / 26 / 35 / 45 tons per cage kit