



VALVES & REGULATORS

Danfoss T2 / TE2 Series

BRAND
Danfoss

SKU
RC_PROD_008

CATEGORY
Valves & Regulators



OVERVIEW

Danfoss T2 and TE2 thermostatic expansion valves regulate the injection of liquid refrigerant into evaporators, controlled by refrigerant superheat. They are especially suitable for liquid injection in "dry" evaporators where superheat at the evaporator outlet is proportional to evaporator load — the workhorse configuration in food retail and commercial refrigeration. The defining feature is the interchangeable orifice assembly: one valve body accepts the full range of orifice inserts, covering all refrigerants and evaporating temperature ranges. This means easier stocking, easy capacity matching, and better serviceability — a single body plus a set of orifices replaces an inventory of fixed valves. T2 valves have internal pressure equalization; TE2 valves have external equalization (always required on systems with liquid distributors).

KEY FEATURES

Interchangeable orifice assembly
one body, full capacity and refrigerant coverage

Capacity range
approximately 1/6 to 4½ TR (R22 basis)

Equalization configuration
internal (T2) or external (TE2) pressure equalization

Laser-welded stainless steel power element
long diaphragm life, high working pressure tolerance, high corrosion resistance

SPECIFICATIONS

PARAMETER	VALUE
FUNCTION	Superheat-controlled liquid injection into dry evaporators
CAPACITY RANGE	~1/6 to 4½ TR (R22 reference); orifice-number dependent
REFRIGERANTS	R22, R134a, R404A/R507, R407C programs (dedicated R407C program)