



TIE SW 802460

TI Series Thermostatic Expansion Valves

The TI Series has interchangeable cages capable of changing valve capacity in the field.

Features

- Stainless steel power element eliminates corrosion and prevents valve failure
- Wrench flats on inlet and outlet
- Forged brass valve body
- Inlet strainer assembly

Specifications

Inlet connection size 3/8" SAE, Outlet 1/2" SAE
 Maximum working pressure 652 psig (45 bar)
 Maximum bulb temperature 165°F (74°C)

TI series cages

Cage size	Nominal capacity (kw)			Model number	Item number
	R-134A	R-22/R-407C	R-404A / R-507		
00	0.3	0.5	0.4	TIO-00X 800532	065087
0	0.8	1.3	1	TIO-000 800533	065088
1	1.9	3.2	2.3	TIO-001 800534	065090
2	3.1	5.3	3.9	TIO-002 800535	065091
3	5	8.5	6.2	TIO-003 800536	065092
4	8.3	13.9	10.1	TIO-004 800537	065093
5	10.1	16.9	12.3	TIO-005 800538	065094
6	11.7	19.5	14.2	TIO-006 800539	065095

NOTE: Nominal capacities in this section are based on European standards of +38°C condensing temperature, +4°C evaporating temperature and 1°K liquid subcooling at the inlet of the expansion valve. This methodology varies from the rest of the capacity tables in the TXV product offering.

Model number nomenclature bodies

Series	Equalizer	System refrigerant code	Charge code	Unique identifier
TI	E	H	W	800533
Interchangeable Cage Capacities	E = External (Omit for Internal)	F = R-12 H = R-22 M = R-134a P = R-507 S = R-404A	C or W= Medium Temp. W (MOP) = Press. Limiting	

TI series bodies - Flare type

Equalizer	System refrigerant code	Charge code	Inlet x outlet size	Model number	Item number
External	H (R-22/R-407C)	W (Med. Temp.)	3/8" X 1/2" SAE	TIE-HW 802421	066390
External	M (R-134a)	W (Med. Temp.)	3/8" X 1/2" SAE	TIE-MW 802446	066388
External	S (R-404A/R-507)	W (Med. Temp.)	3/8" X 1/2" SAE	TIE-SW 802460	066392
Internal	H (R-22/R-407C)	W (Med. Temp.)	3/8" X 1/2" SAE	TI-HW 802420	066389
Internal	M (R-134a)	W (Med. Temp.)	3/8" X 1/2" SAE	TI-MW 802445	066387
Internal	S (R-404A/R-507)	W (Med. Temp.)	3/8" X 1/2" SAE	TI-SW 802459	066391

NOTE: Evaporating temperature range -10°F to 40°F.