



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 - Example: TIE-HW 800533

| 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.