**Main Features**

- **Stainless steel:** hermetically tight solder version
- **High connection strength**
- **High corrosion resistance**
- **Capillary tube joints of high strength and vibration resistance**

**Brachial connections:**
- Straightforward and fast soldering (no wet cloth or refrigeration pliers required).

- **Laser-welded power element in stainless steel**
- **Longer diaphragm life**
- **High-pressure tolerance and working pressure**
- **High corrosion resistance**

**Compact design**
- **Small dimensions and low weight**

- **Can be supplied with MOP (Maximum Operating Pressure)**
- **Protects the compressor motor against excessive evaporating pressure during normal operation**

Learn more at ra.danfoss.com

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**A world leader in climate and energy technology**

The Danfoss Group operates globally with the primary aim of making modern living possible for our stakeholders and being a leader in refrigeration, heating, power electronics, and mobile hydraulics.

We employ 24,000 people, and produce approximately 200,000 components each day at our 76 factories in 25 countries.

We promise leadership in our businesses through reliability, excellence, and innovation—driving true customer satisfaction and solutions within climate and energy.

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**Extensive experience in all key HVAC/R segments**

Danfoss plays a leading role in research, development and production in a wide spectrum of industries, and has been a key player in the HVAC/R field for more than 75 years. Our Refrigeration & Air Conditioning Division designs, produces and markets a comprehensive range of automated solutions and components for a wide variety of HVAC/R segments, including:

- Heat Pumps
- Commercial Air Conditioning
- Residential Air Conditioning
- Commercial Refrigeration
- Household, Light Commercial and Mobile Refrigeration
- Wholesalers & Installers
- Industrial Refrigeration
- Food Retail

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**Wide range of thermostatic expansion valves**

Achieve the highest precision flow control—regardless of the system conditions
Danfoss Thermochostic Expansion Valves are designed to ensure a precise control of the injection of refrigerant liquid into evaporators. They are compatible with most refrigerants and can be used for various applications in HVAC systems.

### Main Characteristics

- **Applications**: HVAC, RAC, VRV, commercial refrigeration, etc.
- **Materials**: Various options including brass, stainless steel, and copper.
- **Connections**: SAE flare, solder, or copper solder.
- **Capacities**: Wide range of capacities for different applications.
- **Superheat**: Adjustable or fixed.
- **Fixed or Adjustable Orifice**: Available as complete sets or parts interchangeably.

### Table of Specifications

<table>
<thead>
<tr>
<th>Type</th>
<th>TDI series</th>
<th>T2E series</th>
<th>TUA series</th>
<th>TUB series</th>
<th>TCAE</th>
<th>TCBE</th>
<th>TR6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Materials</strong></td>
<td>Fixed / Adjustable</td>
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<tr>
<td><strong>Superheat</strong></td>
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<tr>
<td><strong>R410A/R452A/R448A/R449A</strong></td>
<td>0.5 − 5.3 kW</td>
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<tr>
<td><strong>Capacities</strong></td>
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<td>0.4 − 13.9 kW</td>
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<td>0.4 − 13.9 kW</td>
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### Additional Information

- **Reliable function**: Laser Welding, Wide capacity range, welded diaphragm assemblies ensure a long lifetime of the system.
- **Applications**: Suitable for various applications including residential heat pumps, commercial refrigeration, and transport refrigeration.
- **Materials**: Stainless steel, brass, and copper are used depending on the application.
- **Approvals**: UL, GOST / EAC, etc.

For more information, please visit Coolslector.danfoss.com.