







# The Emerson Valves and Controls Solution



Emerson Climate Technologies offers a complete line of refrigerant valves and controls for today's demanding air conditioning and refrigeration applications. Emerson takes pride in having supplied high quality premium performance TXVs for more than 80 years. Our wide range of hermetic TXVs are favored by the world's leading OEMs. Our solenoid valves feature superior gasket technology which virtually guarantees the lowest leak rate in the industry while still allowing field serviceability. Specify Emerson. Install confidence.



EMERSON. CONSIDER IT SOLVED.™

Product	Application	Feature
 <p><b>Thermal Expansion Valves</b></p>	<ul style="list-style-type: none"> <li>• Regulate the rate of refrigerant flow into the evaporator</li> <li>• Used for heat pump, air conditioning, food service and commercial applications</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless steel power element eliminates failures caused by corrosion</li> <li>• Fine setpoint adjustment threads for easy calibration of superheat</li> <li>• Conventional and balanced ported designs available</li> <li>• Take-apart models allow for service of valves without brazing</li> <li>• Bi-flow design available for use in heat-pumps</li> </ul>
 <p><b>Solenoid Valves</b></p>	<ul style="list-style-type: none"> <li>• On/off flow control of refrigerant circuit</li> <li>• Used in liquid line, discharge gas and suction line applications</li> </ul>	<ul style="list-style-type: none"> <li>• Lowest external leak rate in the industry</li> <li>• Single coil family for all models and applications</li> <li>• Repair kits for all valves and applications</li> <li>• Hot gas capabilities on all models</li> </ul>
 <p><b>Automatic Expansion Valve</b></p>	<ul style="list-style-type: none"> <li>• Designed for small cooling units where the heat load is reasonably constant</li> <li>• Ideal for room air conditioners, domestic refrigerators, drink and food dispensers, ice cream freezers and cabinets, bottle and milk coolers, home freezers and ice cube makers</li> </ul>	<ul style="list-style-type: none"> <li>• Friction-free floating design</li> <li>• Can be used as small capacity hot gas bypass valve</li> <li>• Fully adjustable from 0-80 psig</li> <li>• Wrench flats on inlets and outlets</li> </ul>
 <p><b>Ball Valves</b></p>	<ul style="list-style-type: none"> <li>• Isolates suction, discharge, and liquid line pipe work during maintenance shutdown periods</li> </ul>	<ul style="list-style-type: none"> <li>• Lower than industry standard leak rate</li> <li>• Compatible with new refrigerants /lubricants including R-410A</li> <li>• Stem seal cap strapped to body to prevent loss</li> </ul>
 <p><b>Check Valves</b></p>	<ul style="list-style-type: none"> <li>• Normally closed magnetic check valve</li> <li>• Prevents reverse refrigerant flow in liquid lines and compressor discharge lines</li> </ul>	<ul style="list-style-type: none"> <li>• Hermetic spun copper design</li> <li>• Magnetic actuation allows valve to close securely and operate in any position</li> <li>• 30 mesh stainless steel inlet screen captures debris for better seat surface protection</li> </ul>
 <p><b>Pressure Controls</b></p>	<ul style="list-style-type: none"> <li>• Adjustable single and dual pressure control</li> <li>• Designed for use on high and low pressure applications in refrigeration and heat pump systems.</li> </ul>	<ul style="list-style-type: none"> <li>• Adjustable pressure range</li> <li>• High rated SPDT contacts for all versions</li> <li>• Dual pressostats with two independent SPDT switches</li> <li>• Automatic and manual reset versions</li> </ul>