

Emerson NXT Series Thermostatic Expansion Valves

Best-in-class performance, reliability and valve life

The Emerson NXT Series is the next generation in thermostatic expansion valves. The valve is optimized for high efficiency R-410A air conditioning and heat pump applications. NXT Series valves operate over a wide range of conditions and applications, while offering superior performance, increased reliability and unparalleled valve life.



Superior performance

Optimal superheat stability

Internal check design increases reverse flow and improves system efficiency



Increased reliability

Enhanced power element design offers extended valve life

Hermetic, leak-free construction of all joints

Automated manufacturing processes with UID control



Easy Installation

Stainless steel power assembly and capillary tubes prevent corrosion and provide durability

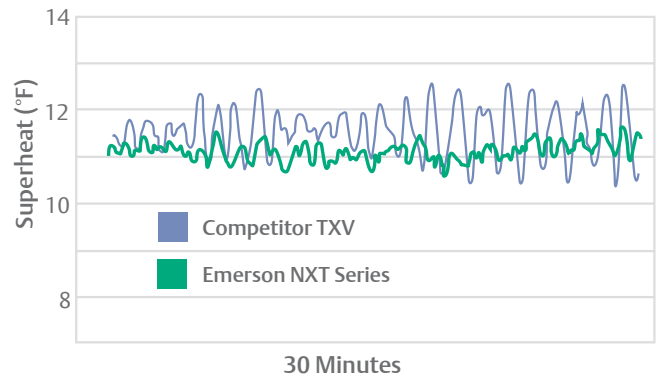
Compact size allows installation in limited spaces



Standard Features and Specifications

- Bi-Flow capability allows one valve to control the superheat in both cooling and heating modes for close-coupled or packaged heat pump applications
- Balanced port construction for varying ambient conditions and evaporator loads
- External equalizer
- 1/2-15 ton capacity range
- Laser etched identification markings for permanent legibility
- Maximum working pressure (MWP): 700 psig
- R-410A operation range: -20°F to 50°F

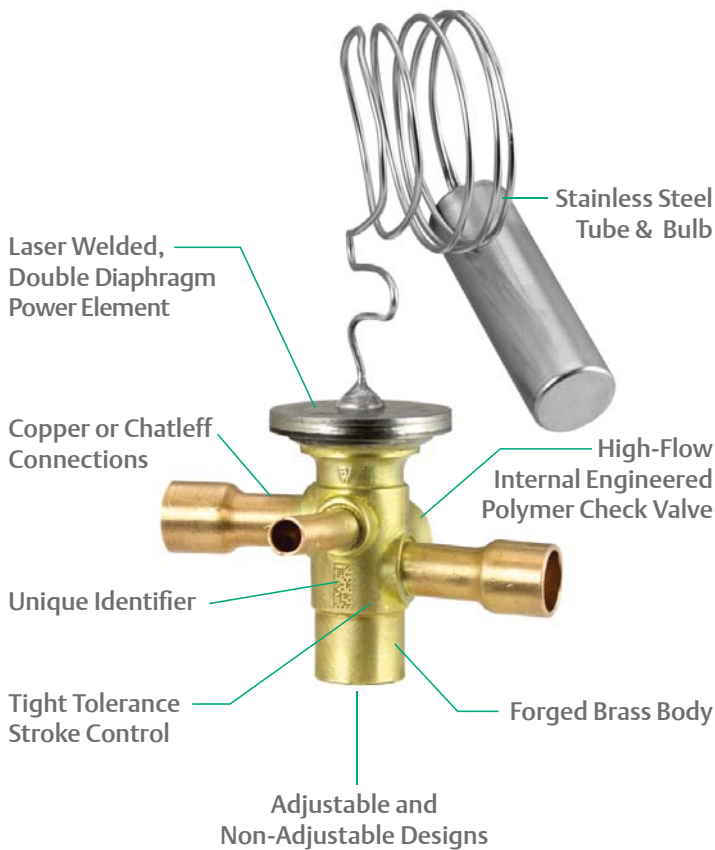
Emerson's NXT Series offers superior superheat control stability over nearest competitor



5 Ton Indoor Coil
Validated by third party testing

Options

- High flow internal check valve allows reverse flow for heat pump applications, eliminating the need for external check valve and improves overall system efficiency
- Adjustable or non-adjustable superheat
- Bleed type pressure equalization available to accommodate PSC type compressors
- ODF connections are standard – Chatleff connections available
- Standard external equalizer offerings (other configurations available)
 - 1/4" ODF
 - 1/8" tube with 45° angle cut
 - Stainless steel tube with 1/4" SAE flare nut



Customer Service or Technical Support: 888-725-9797

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