

# Did you know?



## Performance of TX7 in a system with a Copeland Scroll Variable Speed compressor

It is a general presumption that mechanical expansion valves are not the best choice for systems with variable speed compressors.

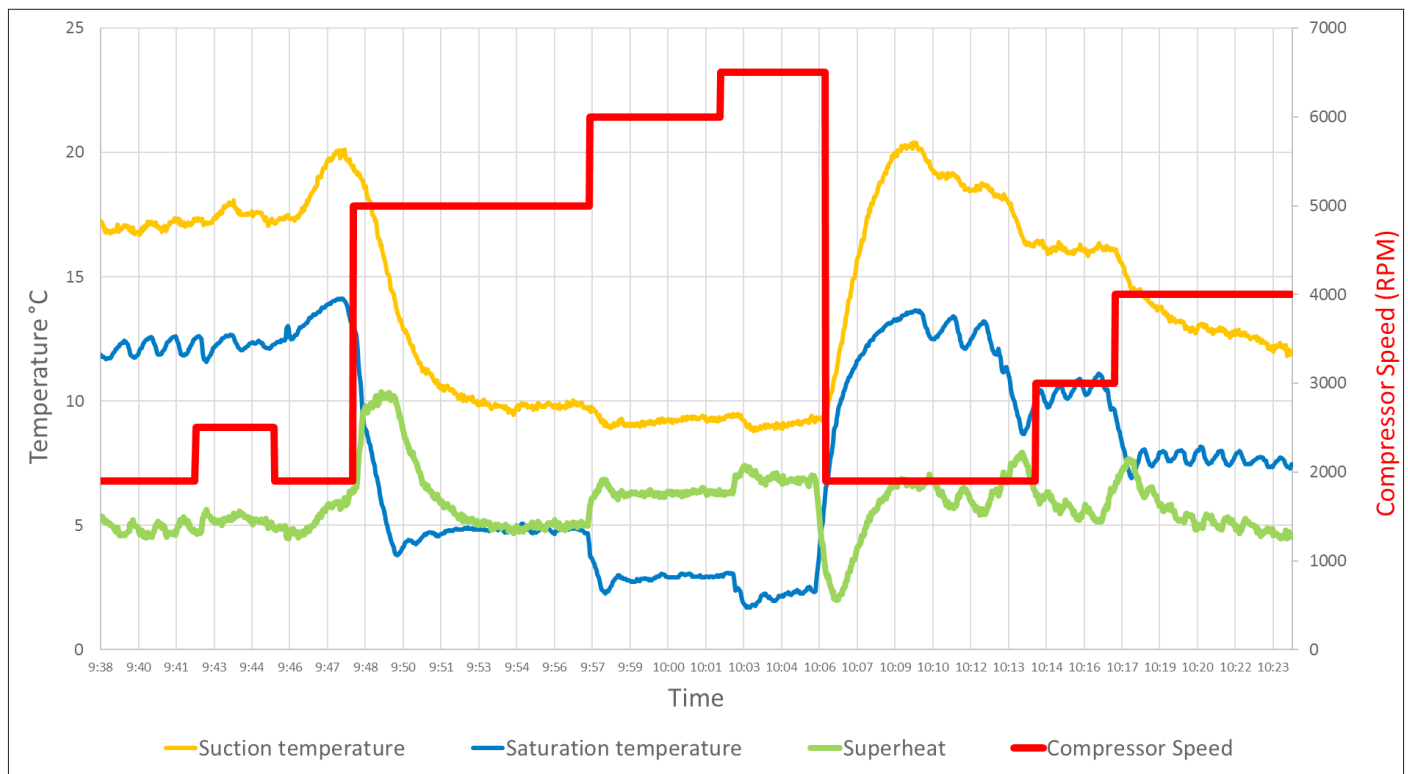
This might be valid for certain mechanical expansion valves but not for the TX7 series of high-performance Thermo™- Expansion Valves. The design of the power element and the internal flow pattern allow the valve to control the superheat from minimum to maximum speed of the compressor, regardless of gradual or sudden speed/load changes.

## Applications

TX7 is an ideal and cost-effective solution in systems which require variable load /capacity with optimum superheat in the entire operating range.

Examples:

- Air conditioning
- Close Control in IT, telecommunication shelters etc.
- Industrial process cooling
- Systems operating during four seasons of year such as reversible heat pumps



The recorded data (sampling time interval 2 seconds) show the control function of the TX7 in a system with plate heat exchanger and Copeland Scroll variable speed compressor between 1900 and 6500 RPM.