

Phoenix ENERGY SUPPLY

Presents

Trench Talk
The Nitty-Gritty of Geothermal Design & Installation

An Educational Series of Webinars to Sharpen the Skills in the Art of Geothermal System Design, Installation and Service

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Phoenix Energy Supply is pleased to Sponsor

Trench Talk
A series of live webinars to serve the geothermal community

P-h Diagram
Tuesday September 13, 2022, 4 PM EDT

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Agenda

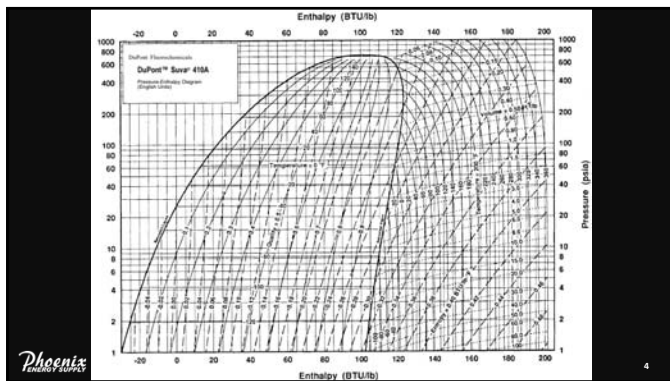
- What is a P-h Diagram
- Compression
- Condensing
- Expansion
- Evaporation
- Vapor-Injection
- Is it a bad TXV or is it undercharged?
- Q&A

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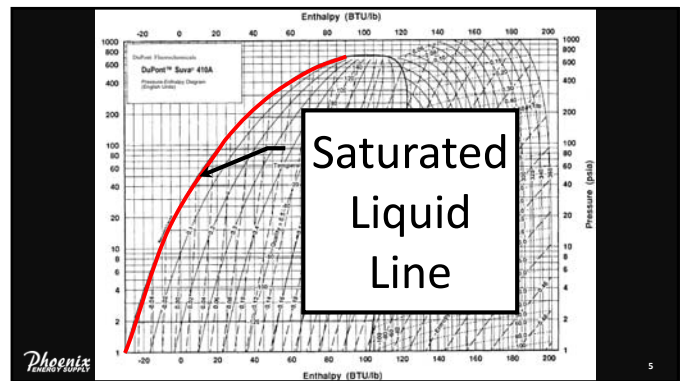
What is a P-h Diagram

- P – Pressure (psia)
- h – Enthalpy (embodied energy - BTU/lb)
- A visualization tool to understand the refrigeration process & troubleshoot

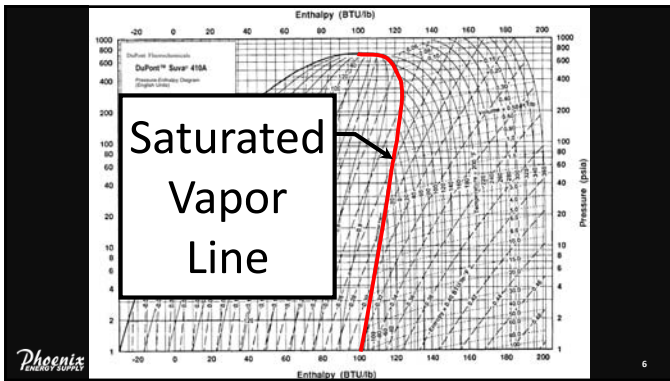
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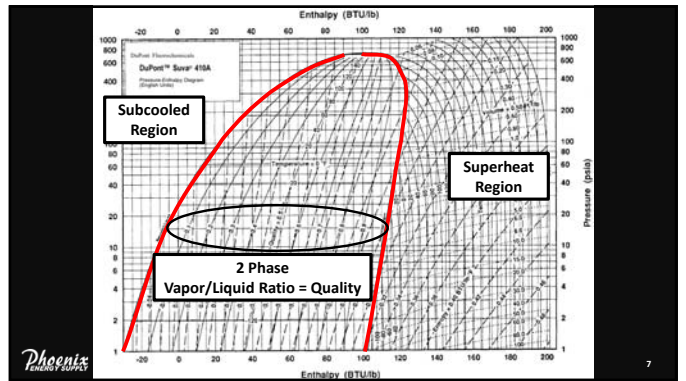
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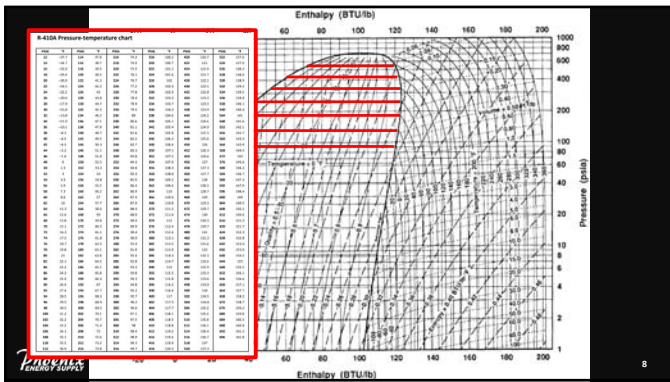
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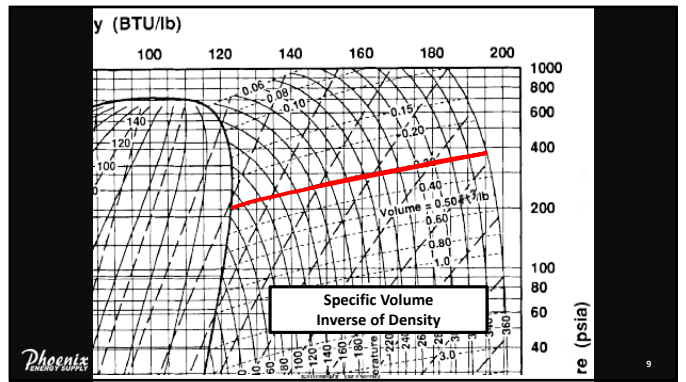
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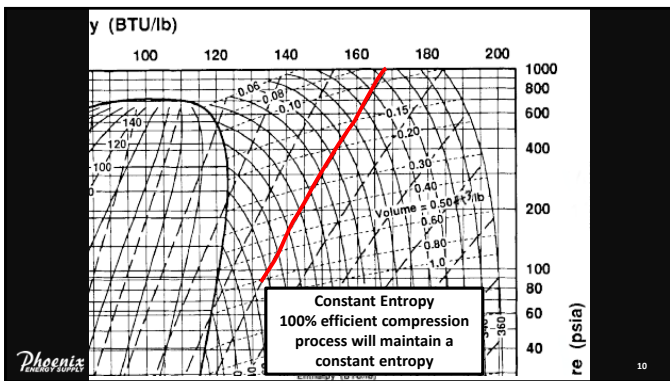
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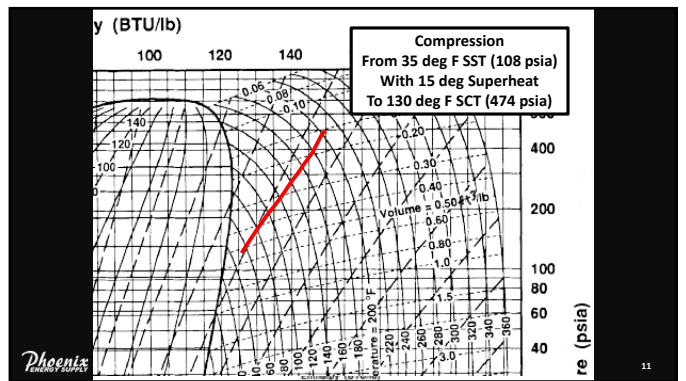
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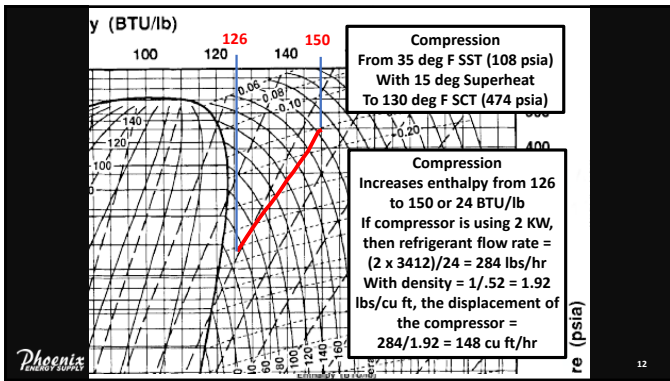
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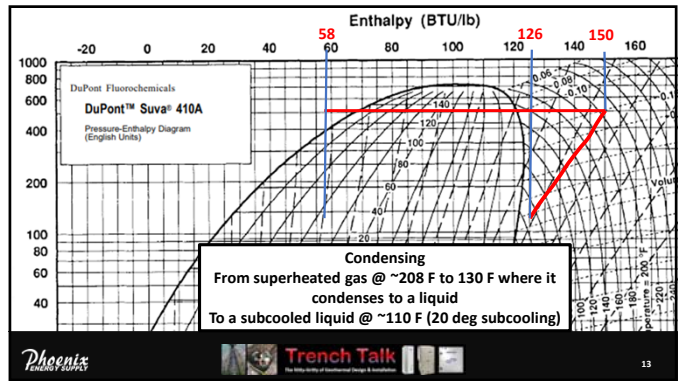
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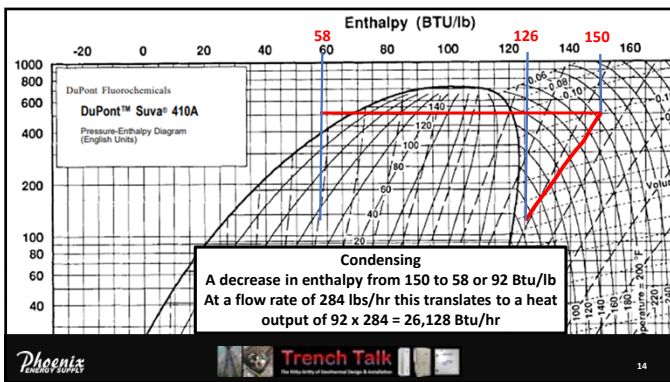
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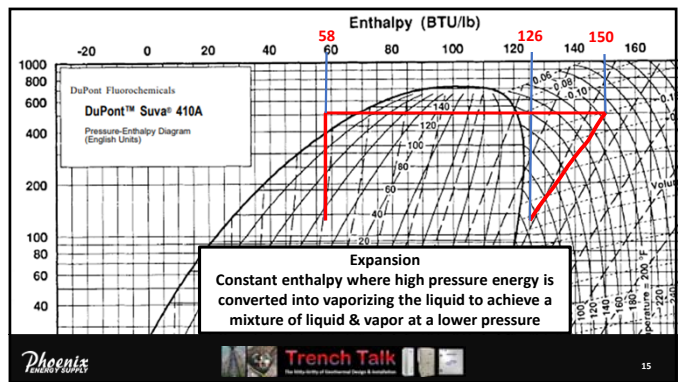
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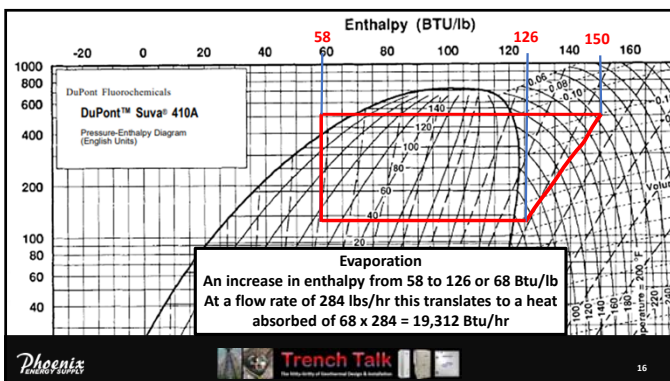
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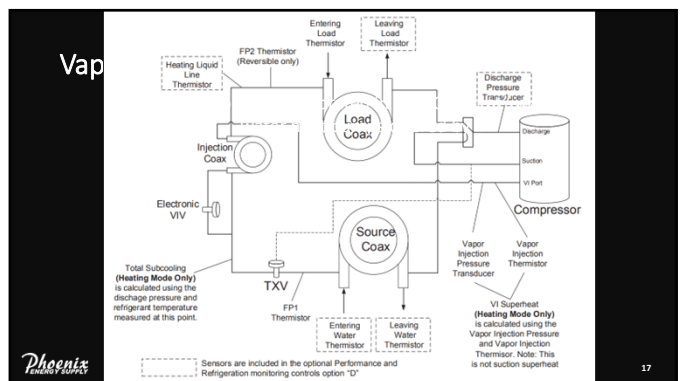
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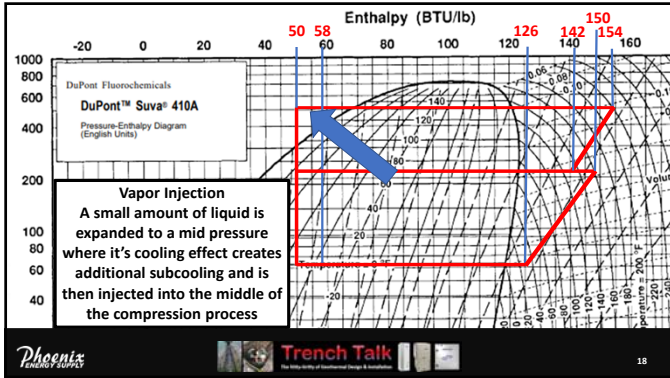
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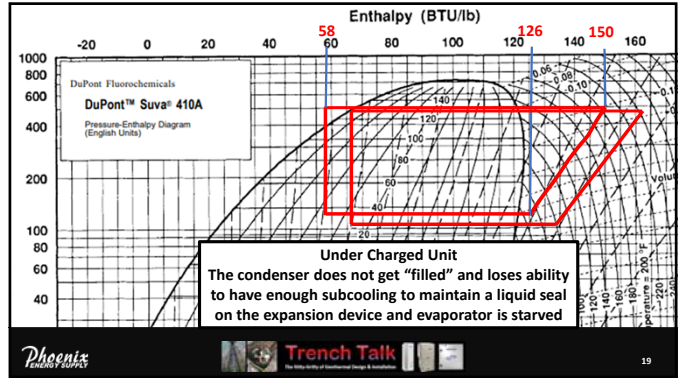
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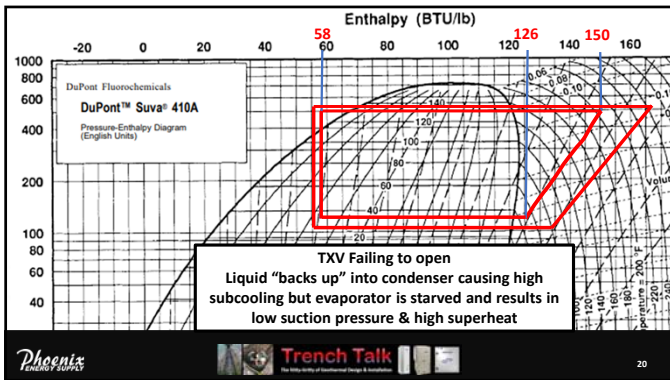
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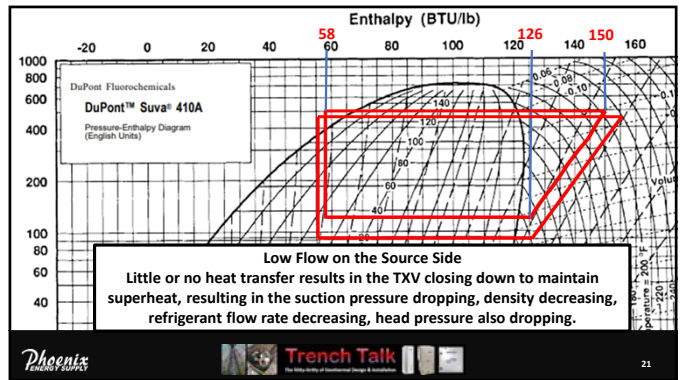
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Credits

“The calculation of refrigerant properties using pressure-enthalpy diagrams gives only theoretical answers—but they can be of real help in many application problems. Use of the diagram, for example, can give a picture of the entire refrigeration cycle and the connection of one part to another.”

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Q&A

Please complete our short evaluation Poll

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