

Given: Water at *T = 300°F, p = 500 psia*

Find: *v, ρ, u* Draw diagram that shows the location of the state

Which table to find *psat?*

Which table to find *T­sat?*

Current phase is????

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Which table would you use to find data?



Given: R-22 at *T = 200°F, p = 120 psia*

Find: *v, u* Draw diagram that shows the location of the state

Which table to find *psat?*

Which table to find *T­sat?*

Current phase is????

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Which table would you use to find data?



Given: Ammonia at *T = -30°F*

Find: *vapor pressure, psat and hfg* Draw diagram that shows the location of the state

The current phase is????

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Which table can we find data about *vapor pressure, psat and hfg?*



Given: R-134a

Find:The normal boiling point (temperature)Draw diagram that shows the location of the state

What is normal pressure?

Which table to find *T­sat?*

The current phase is????

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How do we calculate a value between tabulated values?



Given: Water at *p = 200 psia, x = 0.36*

Find: *v, h* Draw diagram that shows the location of the state

Current phase is????

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Which table would you use to find data?



Given: Ammonia at *T = 200°F, h = 700 BTU/lbm*

Find: *p*

Which table can we find psat?

Which table can we find the critical point?

Current phase is????

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Which table would you use to find data?



Given: R-22 at T = 10°F, *p = 60 psia*

Find: *v, u, h* Draw diagram that shows the location of the state

Which tables to find *psat?*

Current phase is????

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Which table would you use to find data?

How are we going to calculate values that doesn’t exist in the table? What assumption can we make about liquids?