PhaseBook Liquid Vapor Transition: T-v & P-v Avatar

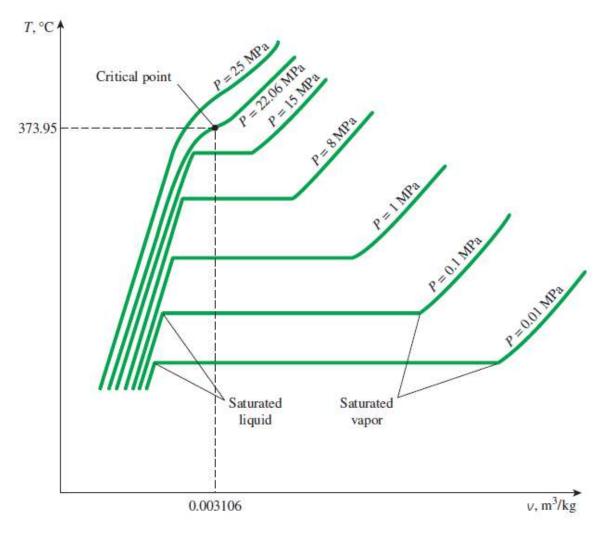
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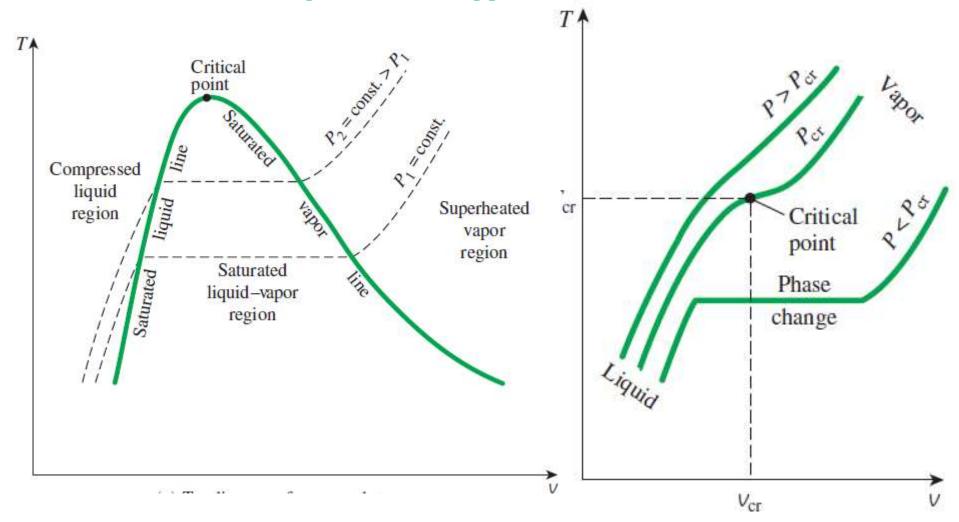
T-v diagram@different pressures for water

• Both liquids and gases have continuous translational symmetry-reason behind the existence of critical temperature and pressure



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T-v diagram@different pressures



• Super critical solvents are important in Chemical engineering/Chemistry

T-v vs P-v

• Intuition suggests as T increases, v increases; As P increases, v decreases

