Vapour Liquid Envelope

A 2-phase region on PT Diagram where both liquid and gas state of a Fluid Mixture share the same volume and each occupying a certain percentage of this volume (see **Fig. 1**).

Vapour Liquid Envelope is bounded by Bubble Point Curve and Dew Point Curve with a junction at Pseudo-Critical Point (T_{pc}, p_{pc}).

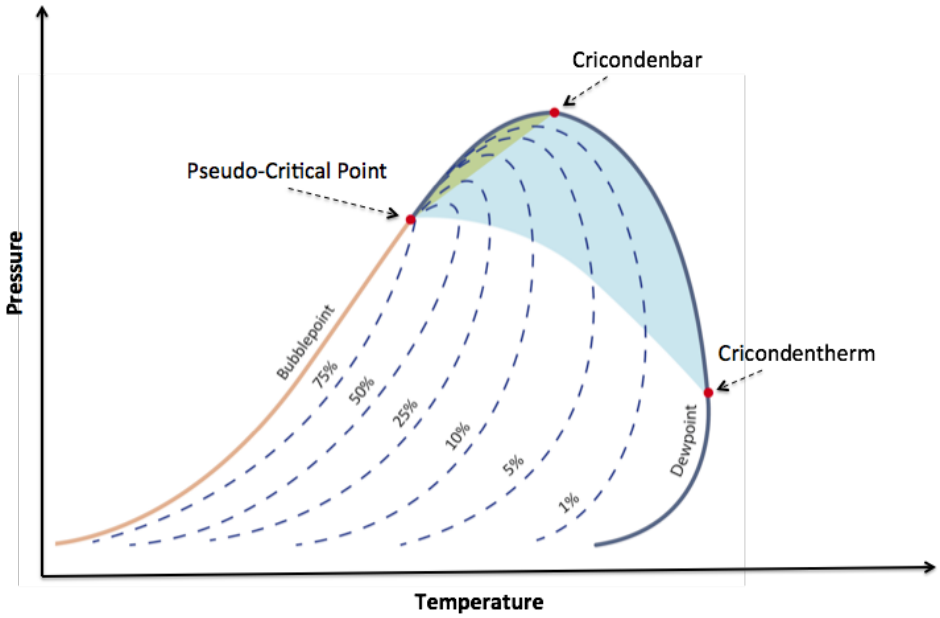

Fig. 1. Schematic PT Diagram with Vapour Liquid Envelope.

See also

Natural Science / Physics / Thermodynamics / Thermodynamic system / Thermodynamic equilibrium / Phase Equilibrium / Phase Equilibrium Diagram / Vapour Liquid Equilibrium (VLE)

[State of matter][Pure substance] [Mixtures][Fluid Mixtures][Phase][Liquid Quality]][Vapour Quality]

[Dew Point Curve][Bubble Point Curve]

[Critical Point (T_c, P_c)][Cricondentherm][Cricondenbar]