

Example 3.8

Result

The Following Results given By Redlich/Kwong Equation

Molar Volume of saturated Vapor is

2555.

cm³/mol

Molar Volume of Saturated Liquid is

133.3

cm³/mol

By All Equations

Molar Volume(V_v) of Saturated Vapor

vdW	RK	SRK	PR
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2667.	2555.	2520.	2486.
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Molar Volume(V_l) of Saturated Liquid

vdW	RK	SRK	PR
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190.9	133.3	127.8	112.6
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Note : Exp Value is V_v = 2482 cm³/mol and V_l = 115 cm³/mol