







$$vapPercent := \frac{1}{-1 \cdot \left( \frac{.32 - .6}{.9 - .6} \right) + 1} = 0.517$$

$$1 - .32 = 0.68$$

$$vapPercent := \frac{1}{-1 \cdot \left( \frac{.1 - .6}{.75 - .6} \right) + 1} = 0.231$$

$$1 - .75 = 0.25$$

$$\frac{.485 - .6}{.945 - .6} = -0.333$$

$$1 - .485 = 0.515$$

$$1 - .945 = 0.055$$

Volume Flow	cum/hr	1.53418	2/64.83	2/66.36
- Vapor Phase				
Molar Enthalpy	kcal/mol		-73.0587	-73.0587
Mass Enthalpy	kcal/kg		-1853.46	-1853.46
Molar Entropy	cal/mol-K		-31.9559	-31.9559
Mass Entropy	cal/gm-K		-0.810706	-0.810706
Molar Density	mol/cc		2.71265e-05	2.71265e-05
Mass Density	kg/cum		1.06925	1.06925
Enthalpy Flow	Gcal/hr		-5.4794	-5.4794
Average MW			39.4174	39.4174
+ Mole Flows	kmol/hr		75	75
- Mole Fractions				
WATER			0.514175	0.514175
ETHYL-01			0.485825	0.485825
+ Mass Flows	kg/hr		2956.31	2956.31
+ Mole Fractions				
Volume Flow	cum/hr		2/64.83	2/64.83
- Liquid Phase				
Molar Enthalpy	kcal/mol	-101.5		-101.5
Mass Enthalpy	kcal/kg	-1704.84		-1704.84
Molar Entropy	cal/mol-K	-85.1133		-85.1133
Mass Entropy	cal/gm-K	-1.4296		-1.4296
Molar Density	mol/cc	0.0162953		0.0162953
Mass Density	kg/cum	970.166		970.166
Enthalpy Flow	Gcal/hr	-2.53751		-2.53751
Average MW		59.5365		59.5365
+ Mole Flows	kmol/hr	25		25
- Mole Fractions				
WATER		0.0574746		0.0574746
ETHYL-01		0.942525		0.942525
+ Mass Flows	kg/hr	1488.41		1488.41

