

Check on 4-4' Dishlow

$$C 250 + 273 = 523^{\circ}K$$

$$\begin{aligned}\log K &= 8.06 - 3060/523 \\ &= 8.06 - 5.84 \\ &= 2.22\end{aligned}$$

$$165.6 \text{ mm Hg}$$

for 3-3' Dishlow

$$\begin{aligned}\log K &= 8.01 - 5.84 \\ &= 2.17 \\ &= 147.8 \text{ mm Hg}\end{aligned}$$

Assume for 4'4'

$$C 250^{\circ}C \quad P = 210 \text{ mm Hg}$$

$$\log P = 2.323$$

So we have two eq

$$2.88 = K - Y/590$$

$$2.323 = K - Y/523$$

$$0.557 = \frac{-Y}{590} + \frac{Y}{523}$$

$$328 = -Y + 1.125Y$$

$$.125Y = 328$$

$$Y = 2620$$

$$K = 2.88 + 2620/590 = 2.88 + 4.43 = 7.31$$

DSW 297075

7/19/71

KFB

assume for 3⁰³'

$$250 \text{ sec } P = 170 \text{ mm Hg}$$

$$\log P = 2.231$$

so we have two equations

$$2.231 = X - Y/523$$

$$2.88 = X - Y/596$$

$$0.649 = -Y/596 + Y/523$$

$$387 =$$

$$387 = -Y + 1.135Y$$

$$.135Y = 387$$

$$Y = 2870$$

$$X = 2.88 + 2870/596$$

$$= 2.88 + 4.82$$

$$= \underline{7.70}$$

New correlations

4,4'

$$\log P = 7.31 - 2620/T$$

3,3'

$$\log P = 7.70 - 2870/T$$

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