his at Toot = 121.06°C all others are at Tf = 86.89°C

$$S_{L}= 967.57 \text{ kg/m}^{2}$$
  
 $S_{V}= 0.377 \text{ kg/m}^{3}$ 

NL = 3.26 x 10 t la.s Nw = 5.23 x 10 t la.s (52.12'c)

$$\frac{h_{L} \frac{1}{25.08} \times 10^{2} - 0.027}{0.671} \left(134321.18\right) \left(0.915\right) \left(\frac{3.26}{5.23}\right)$$

$$h_2 = \frac{0.671}{25.08 \times 10^{27}} \times 310.696$$

$$S = S_2.72$$
 $S = S_2.72$ 

$$N_{Re} = \frac{4 \text{ mp}}{\pi D N_{L}} = \frac{4 \times 24}{7 \times 36 \times 5.05 \times 10^{2} \times 78}$$

$$= 2181.36$$

$$N_{L} = 2181.36$$

$$50.8.31 = \frac{2.57}{593-8.31}$$

$$60.5.93 = \frac{2.57}{10} = \frac{N_{L}-8.3}{593-8.31}$$

$$86.89 = \frac{50.7.}{50} = \frac{N_{L}-8.3}{50.8}$$

$$N_{L} = \frac{50.7.}{50.8} = \frac{50.7.}{50.8}$$

$$N_{L} = \frac{50.7.}{50.8} = \frac{50.7.}{50.8} = \frac{7.66 \times 10^{3} \times 2911.85}{50.45} = 47.56$$

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$$N_{L} = \frac{2.72}{50.8 \times 10^{2}} \times 0.027 \times (2181.36)$$

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$$\frac{\text{hiho}}{\text{hitho}} = U = \frac{485.53 \times 4103.84}{485.53 + 4103.84}$$

$$U = 434.16$$

$$= \frac{6289.53}{36} \times 2199.61 \times 10 = 434.16 A 68.34$$

$$\frac{1.06}{5} \times (2188.5 - 2202.6) + 2202.6$$
= 2199.61

$$N = \frac{129.52}{\text{JC} \times 5.08 \times 10^{2} \times 2} = 405.8$$

$$\approx 406 \text{ piped}$$