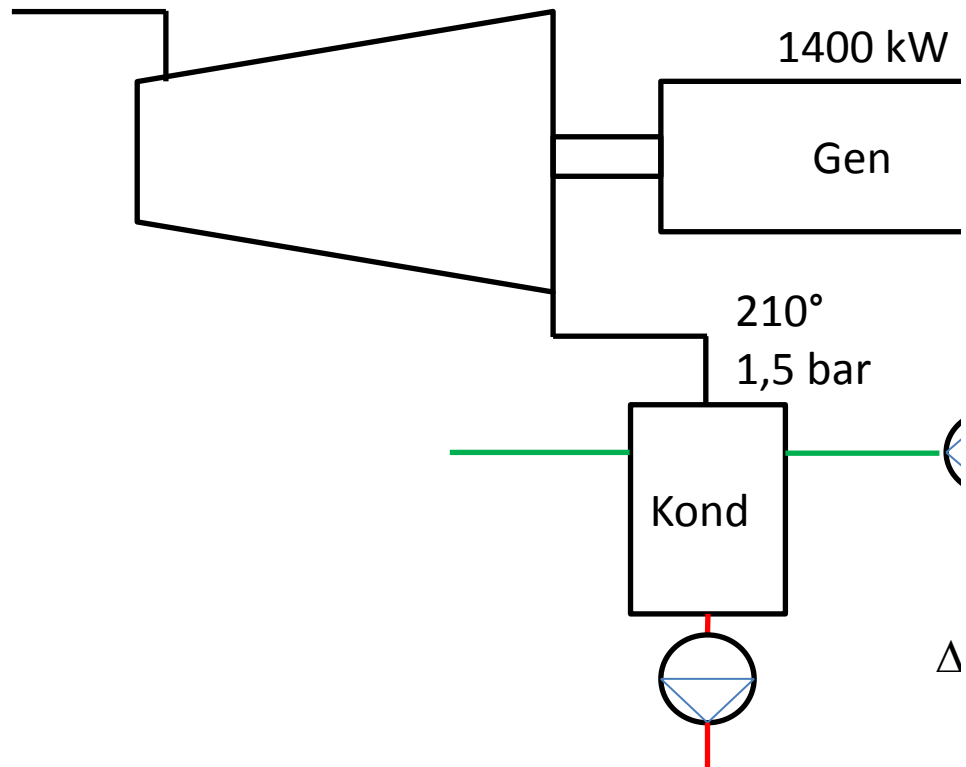


450°  
25 bar

$\eta$  Gen 0,95  
 $\eta$  M 0,92



$$\eta_{is} = \frac{h_o - h_k}{h_o - h_{is}}$$

$$h_{is} = \frac{3351,3 - 2892,9}{3351,3 - 2675}$$

$$\eta_{is} = 0,677806$$

$$P_{is} = \frac{P_g}{\eta_g \cdot \eta_m \cdot \eta_{is}}$$

$$P_{is} = \frac{1400}{0,95 \cdot 0,92 \cdot 0,678}$$

$$P_{is} = 2363,259 \text{ kW}$$

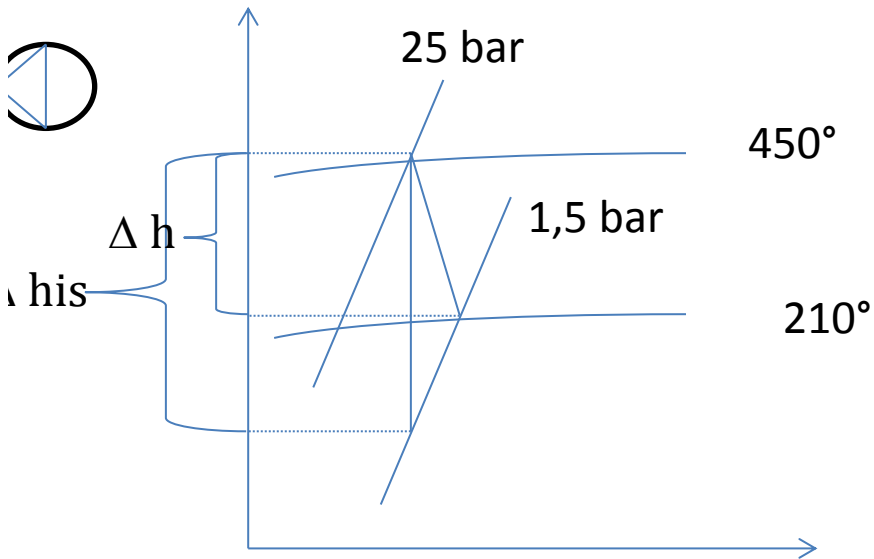
$$md = \frac{Pis}{ho - his}$$

$$md = \frac{2363,26}{3350 - 2675}$$

md            3,494395

$$\eta \text{ iskl} = \eta \text{ is} * \eta m * \eta g$$

$\eta \text{ iskl}$         0,592402



Aflæsninger damptabel

25 bar 450° = 3351,3 kj/kg

3351,3

2892,9

1,5 bar 210° = 2892,9 kj/kg

2675

1,5 bar (IS) aflæst = 2675 kj/kg

0,95

0,92

Pklem

1400