

Large Cone Calorimeter (10 MW)

1.

;

13.1 MJ/kg

1kg

$$\dot{q}(t) = (\Delta h_c / r_0) (1.10) \dot{m}_e \left(\frac{X_{O_2}^0 - X_{O_2}}{1.105 - 1.5 X_{O_2}} \right)$$

$\dot{q}(t)$, KW

Δh_c , kJ/g

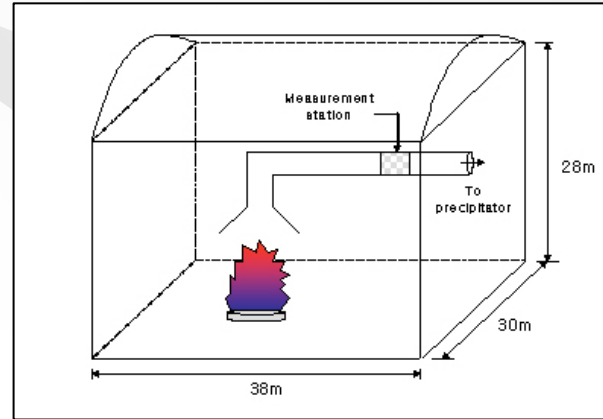
r_0 /

1.10

$\dot{m}_e$, kg/sec

$X_{O_2}^0$

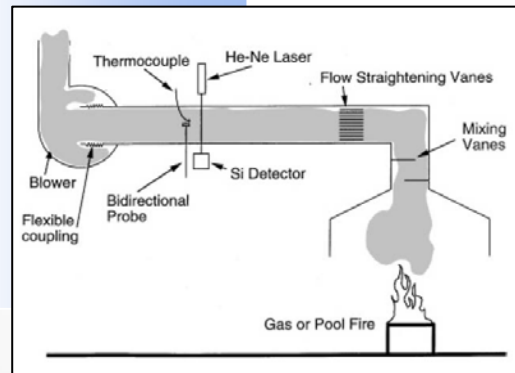
X_{O_2}



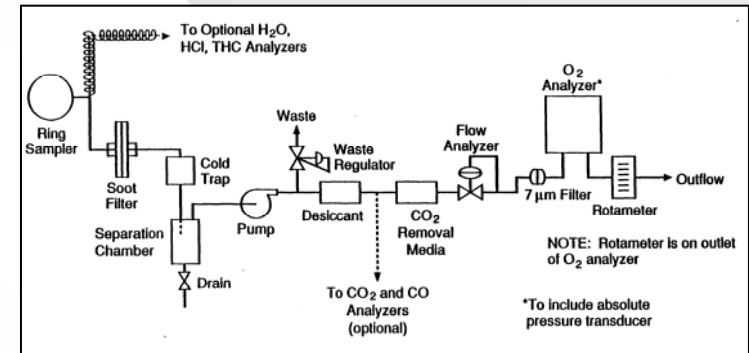
(LCC)



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(Large Cone Calorimeter)



(Large Cone Calorimeter Gas Train)

2.

- (Heat release rate)
- (Smoke production rate)
- (Soot mass)
- 가 (Others Toxic Gas by FT-IR)
- (Consumption of O₂, CO and CO₂)



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(Measuring Station)