

Tuesday Gasifier Process Sheet

- Isothermal at 1300 K
- No chemistry in this model

Boundary	Fluid Flow	Particle Flow
Fluidizing Air + Steam	Velocity = 0.3 m/s Gas (mass fractions): 0.3 H ₂ O, 0.54 N ₂ , 0.16 O ₂	None
Fresh Coal Feed	Velocity = 0.25 m/s Gas (mass fractions): 0.77 N ₂ , 0.23 O ₂	Fresh coal at 1 kg/s
Cyclone Diplegs	Controlled by BC Connector	Controlled by BC Connector

