

(a)

mixed  
plume

One stream of 307 kgh  
cold gas (about  $-5^{\circ}\text{C}$  at  
the discharge valve  
measured with the flow  
meter) from the large  
trailer without going  
through a heat exchanger

Two streams of 226  
kgh and 232 kgh  
warm gas (about  $27^{\circ}\text{C}$   
at the discharge  
valve measured with  
the flow meter) from  
the small trailer that  
went through a heat  
exchanger before  
being measured and  
discharged

(b)

$50^{\circ}\text{C}$

41.8

18.4

$10^{\circ}\text{C}$