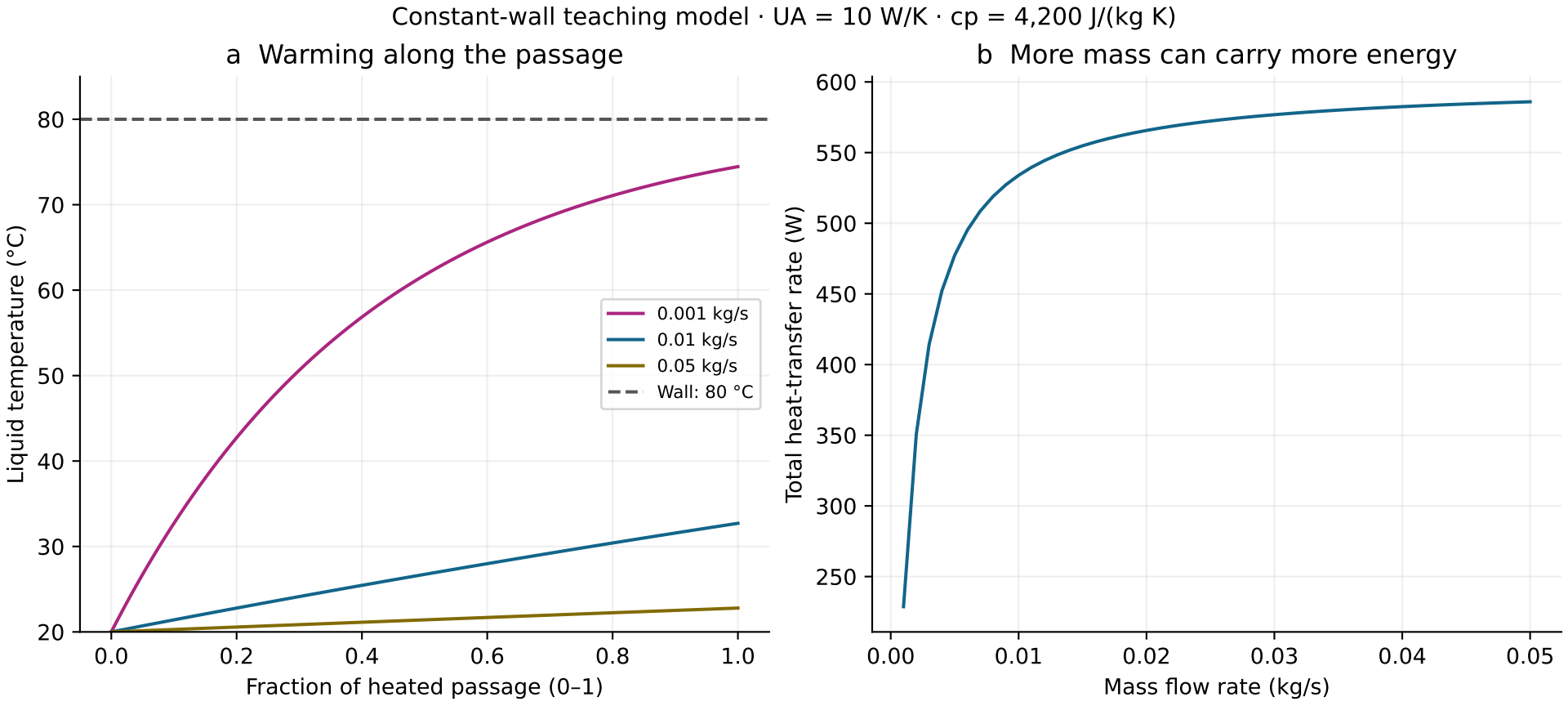

Constant-wall teaching model · UA = 10 W/K · cp = 4,200 J/(kg K)
a Warming along the passage
Liquid temperature (°C)
Fraction of heated passage (0–1)
0.001 kg/s
0.01 kg/s
0.05 kg/s
Wall: 80 °C
b More mass can carry more energy
Total heat-transfer rate (W)
Mass flow rate (kg/s)