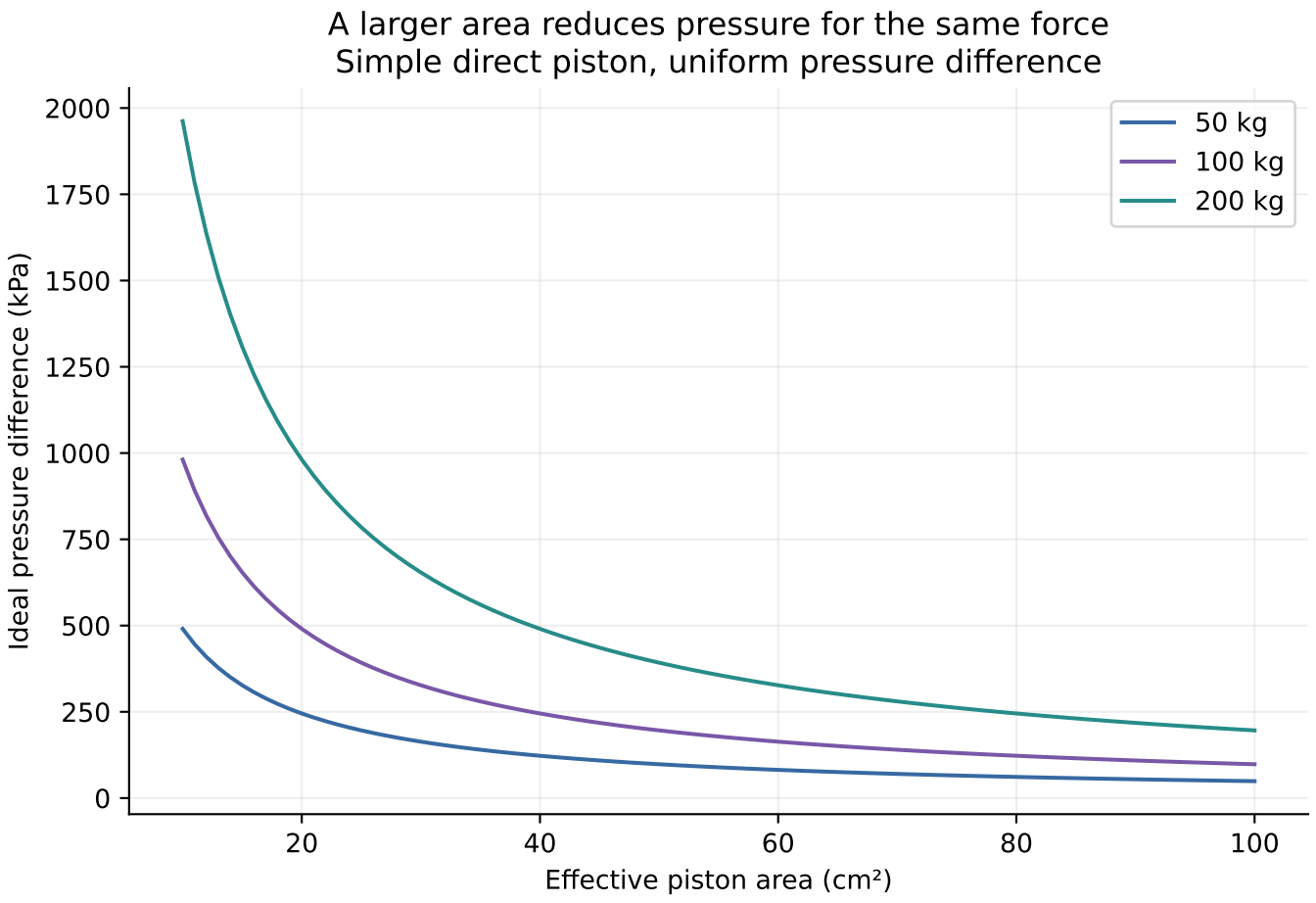

A larger area reduces pressure for the same force
Simple direct piston, uniform pressure difference
50 kg
100 kg
200 kg
Ideal pressure difference (kPa)
2000
1750
1500
1250
1000
750
500
250
0
20
40
60
80
100
Effective piston area (cm²)