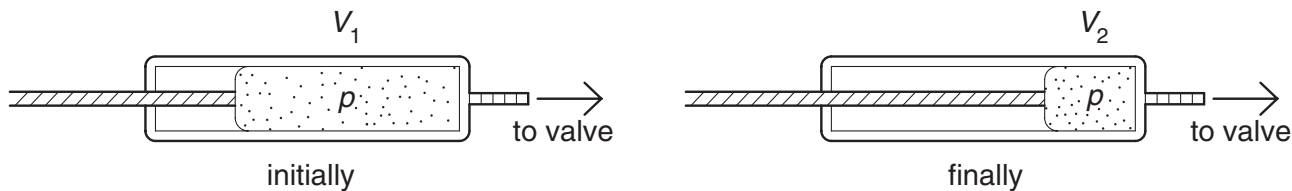**17** Air in a bicycle pump is forced through a valve at a constant pressure p. In one stroke of the pump the volume of air in the pump chamber is reduced from V_1 to V_2.

What is the work done on this air in one stroke of the pump?

A $\dfrac{p(V_1 + V_2)}{2}$

B $p(V_1 + V_2)$

C $p(V_1 - V_2)$

D pV_1