9 Water flows out of a pipe and hits a wall.
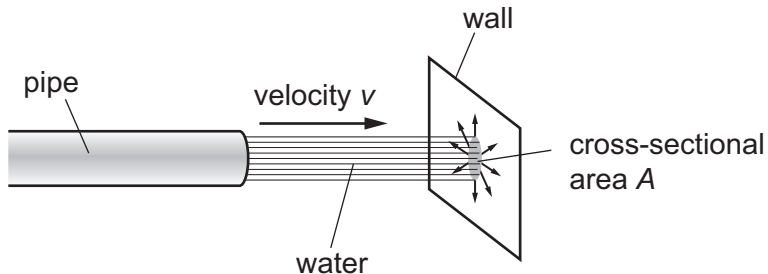

When the jet of water hits the wall, it has horizontal velocity v and cross-sectional area A.

The density of the water is ρ. The water does not rebound from the wall.

What is the force exerted on the wall by the water?

A $\dfrac{\rho v}{A}$ **B** $\dfrac{\rho v^2}{A}$ **C** $\rho A v$ **D** $\rho A v^2$