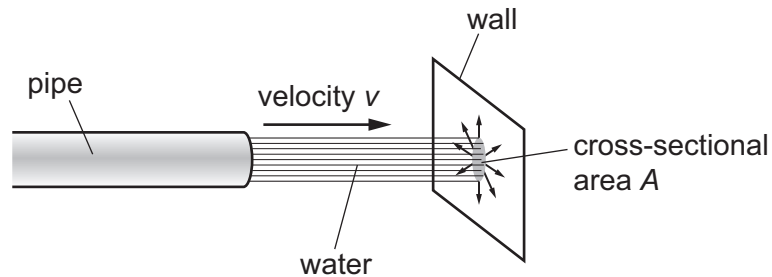


- 8 Water flows out of a pipe and hits a wall.



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 $\frac{\rho v}{A}$

B $\frac{\rho v^2}{A}$

C $\rho A v$

D $\rho A v^2$