

- 8 Water is pumped through a hose-pipe at a rate of 90 kg per minute. It emerges from the hose-pipe horizontally with a speed of 20 ms^{-1} .

Which force is required from a person holding the hose-pipe to prevent it moving backwards?

A 30 N

B 270 N

C 1800 N

D 10 800 N

Space for working