

24 A stationary sound wave is formed in a pipe that is closed at one end and open at the other end. The wave has two antinodes. One of these antinodes is at the open end of the pipe.

The length of the pipe is 0.600 m. The speed of sound in the air column in the pipe is 340ms^{-1} .

What is the frequency of the sound wave?

A 425 Hz

B 850 Hz

C 1130 Hz

D 2270 Hz

25 A piston is attached to a vertical wall. The piston has a mass of 1.5 kg and a diameter of 0.020 m.