

Use case

Why does water damage happen when we are not at home or in the office.

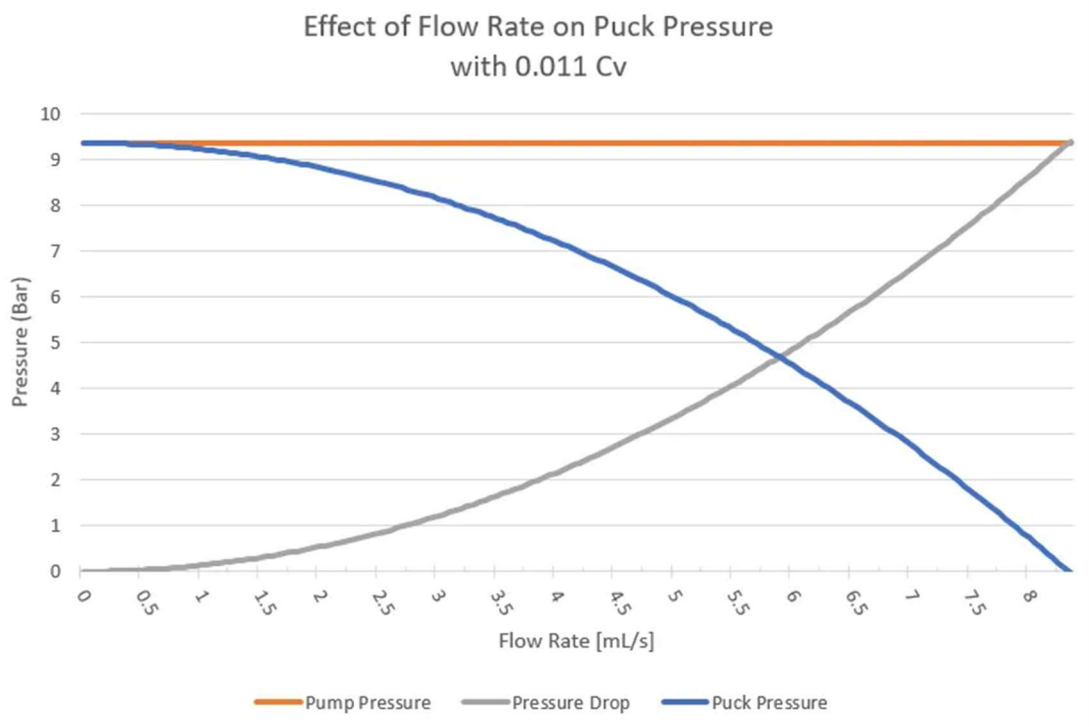
Statistically, water pipe malfunctions and explosions happen when we are not at home or in the office.

We all believe that if a malfunction occurs during working hours, we will notice it in no time, by sensing the humidity, hearing the water flowing, then we will repair or cut off the water supply from the property.

But statistics and insurance companies show other data precisely in the evening, on weekends, on holidays, most water damage occurs.

Why ?

As you can see, when we decrease flow, we increase pressure. (Less water, more pressure).



<https://www.home-barista.com/espresso-machines/difference-between-pressure-profiling-and-flow-rate-control-t74967-20.html>

It's very simple, we are not at home in the evening on weekends, our neighbors do not use water either and if they do, the water consumption is very low. Then the pressure in the pipes increases.

And when the water pressure increases, the risk of burst pipes increases.

Based on research presented at the Kinneret Conference for Water Engineering and Innovation, November 28-22, 2022.

In the photo below, we see a malfunctioning faucet that went offline overnight and the flowing water caused damage worth hundreds of thousands of shekels.

Office building in Bnei Brak

