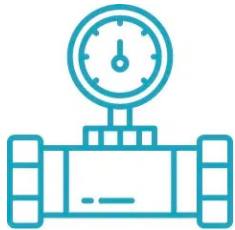


## The Problems With Water

There are several potential problems inherent in water delivery, usage and metering that can impact your water consumption and water costs. Most of these concerns revolve around water system pressure (PSI), flow rate (GPM), and turbulence.



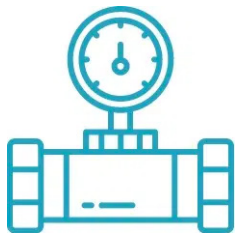
It's a simple fact that along with the volume of water passing through your water meter is a volume of air. The volume of that air will vary as the water pressure fluctuates between static and dynamic pressure. The problem is that over 99% of water meters measure by volume, regardless of whether that volume is liquid or gas.



Water meters are designed to be accurate within a specific flow range (GPM). If the flow rate exceeds this range, it can cause the meter to measure inaccurately, charging you for more than the actual gallonage used.



City pressure can fluctuate significantly, causing pressure surges and drops which can cause the meter to over-spin, sometimes damaging water systems and equipment. Surges also occur anytime you go from a closed system (static) to an open system (dynamic).



Water fixtures in your building are typically designed for water pressure of no more than 65 PSI. The water pressure delivered by your municipality is often much higher, resulting in too much water being pushed through your fixtures and potentially leaking through seals and gaskets that are designed for 65 PSI, resulting in increased maintenance and replacement costs.