

ATMOS WATER TECHNOLOGIES

Atmos Aqua Puck

Complete cloud acquisition tool for water air valve status monitoring, acoustic correlation, and tamper detection

Secure 4G or LoRa connectivity

Online AI driven Acoustic Correlation between devices

Suitable for any pipe or valve size

4 year Battery life

On-board wireless comms with integrated antennas

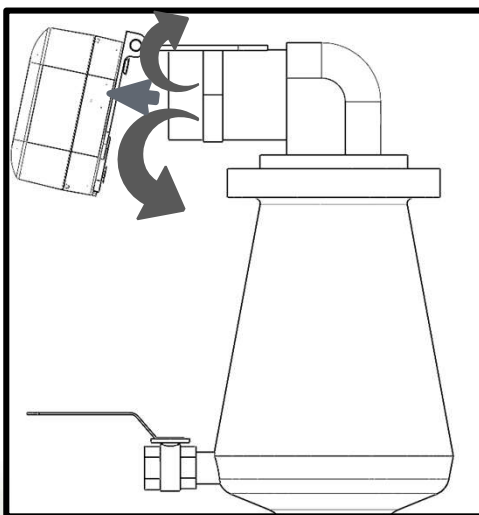
On-board Accelerometer and acoustic sensor

Acoustic Passing-valve detection

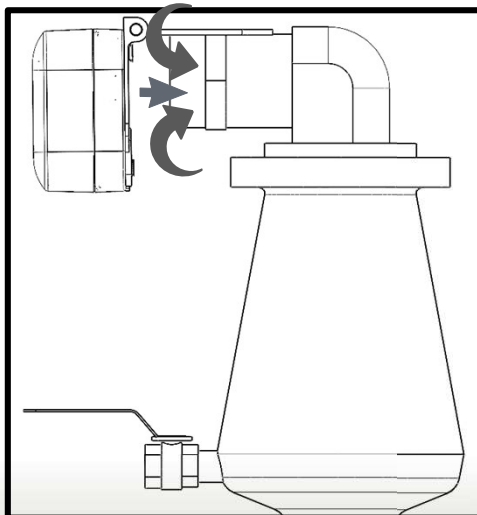
Utilising the on-board motion sensing accelerometers, the Puck device monitors small fluctuations in air valve outlet activity as seen in the exaggerated diagram below. The hinged universal mounting bracket allows the device to be buffeted by air movements coming from the air valve outlet. The fitting is adjustable for any size of air valve, make or model. Using the integrated Acoustic sensor, the device will detect if the valve has failed by detecting liquid emissions through the valve outlet



Example Mounting on air valve outlet



Expulsion of gases during filling



Gases allowed to enter during draining

- 2 x AA Li-ion Battery
- 1 x Acoustic Sensor
- 1 x Accelerometer
- 4 years unmanaged operation
- Multi network 4g & LoRa Connectivity
- Rugged PE casing
- Hygienic sealed IP68 casing

