

# CubicSecure

Smart automatic water shut off valve, flow meter and leak detector. Protects your home from damage caused by micro-leaks or broken water pipes. The compact design makes CubicSecure easy to install and even fits in water cabinets.



## DATASHEET

### HARDWARE SPECIFICATIONS

**Power supply**  
5V DC, 2A, micro-USB cable (1m)  
EU-plug

**Weight**  
720 grams (excluding packaging)

**Dimensions (mm)**  
Width: 71  
Height: 85  
Length: 110

**Pipe connection**  
G20 Eurocone external thread (DN20)

**Power usage (average)**  
~6 kWh/year (with Wi-Fi connected)

**Valve open/close time**  
~10 seconds

### CONNECTIVITY

**WiFi**  
2.4 GHz (802.11 b/g/n)  
Report interval: 1 hour

### ENVIRONMENT

**Environment**  
5 °C - 30 °C, indoor usage (not waterproof)

**Area of use**  
Villa, terraced house, apartment

### MEASUREMENT SPECIFICATIONS

**Maximum flow rate**  
66.7 liters per minute

**Flow rate accuracy**  
Max  $\pm 3\%$  error

**Water temperature**  
0.1°C - 70°C

**Water temperature accuracy**  
Max  $\pm 2\%$  error

**Pressure**  
PN10

**Maximum water pressure (15min)**  
16 Bar

**Water pressure accuracy**  
Max  $\pm 10\%$  error

**Sampling frequency**  
1 Hz

### LEAK DETECTION

**Micro-leak**  
> 0.3 bar pressure loss (approx. 0.00016 liters per minute)

**Medium leak**  
> 0.1 liters per minute for at least 45 minutes

**Large leak**  
> 25 liters per minute for at least 90 seconds