

# CubicSecure

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



## DATASHEET

### HARDWARE SPECIFICATIONS

Pipe connection  
G20 Eurocone external thread (DN20)

Weight  
720 grams

Dimensions  
Height: 85, width: 71, length: 110 mm

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

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  
4 000 l/h

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

Micro-leak detection  
>0.3 bar pressure loss (approx. 0,01 l/h)

Medium leak detection  
>6 l/h for at least 45 minutes

Large leak detection  
>1500 l/h for at least 90 seconds