

Quandify

CubicSecure



DATA SHEET



aquilar
leak detection solutions



CubicSecure



The CubicSecure is designed to be a smart leak detector and automatic water shut off valve flow meter. 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.

TECHNICAL INFORMATION

Hardware Specifications	G20 Eurocone External Thread (DN20)
Weight (g)	720g
Dimensions (mm)	H 85 x W 71 x L 110
Power Supply	5VDC 2A Power supply, micro-USB cable (UK-plug), 1m cable
Power Usage Avg	~6 kWh/year (with Wi-Fi connected)
Connectivity	WiFi 2.4 GHz (802.11 b/g/n) Report Interval: 24 hour (default)
Valve Open/Close Time	~10 seconds
Max Flow Rate	4 000 l/h
Flow Rate Accuracy	Max ±3% error
Water Temperature	0.1°C - 70°C
Environment	5°C - 30 °C (not waterproof)
Installation	For copper sizes 15, 22, 28mm using suitable fittings (not supplied)
Pressure	PN10
Maximum Water Pressure	16 Bar
Water Pressure Accuracy	Max ±10% error
Micro-Leak Detection	>0.3 bar pressure loss (approx. 0,01 l/h) (user adjustable)
Medium Leak Detection	>6 l/h for at least 45 minutes (user adjustable)
Large Leak Detection	>1500 l/h for at least 90 seconds (user adjustable)

APPROVALS



RoHS 2011/65/EU 2014/53/EU	This directive restricts (with exceptions) the use of ten hazardous materials in the manufacture of various types of electronic and electrical equipment
ETSI EN 300 489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and service
CE Approval	Deemed to meet EU safety, health and environmental protection requirements
ETSI EN 300 489-17	Wideband transmission systems; Data transmission equipment operating in 2,4 GHz band
EN 62368-1 2020	Audio/video, information and communication technology equipment - Safety requirements
EN IEC 62311:2020	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz to 300 GHz)

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WRAS APPROVAL



Section	2260
Section Subtitle	Spherical, Metal ¾" BSP (M)
WRAS Approval	240204060
Model	LTCS01 - CubicSecure
Approval Holder	Quandify AB.
Manufacturer	ProvideU Assembly OÜ and Scanfil Malmö AB

ORDERING INFORMATION

8100 Quandify CubicSecure

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