

# CubicSecure Automatic shut-off valve for water leakage prevention

## Holder/Issued to

### LK Systems AB

161 26 Bromma, Sverige

## Product description

CubicSecure Automatic shut-off valve is equipped with a flow meter and a pressure sensor to continuously monitor tap water installations/systems and to register duration and size of flows through the valve. If an abnormal flow is detected the integrated ball valve will close. The valve can also close based on signals from sensors placed at positions where a heightened risk of leakages can be predicted.

The products incoming and outgoing connections have both external G20 EuroCone thread. Brass parts in contact with water, intended for human consumption, are manufactured from dezincification resistant alloy.

## Intended use

CubicSecure automatic shut-off valve is intended for use in tap water systems in villas or terraced houses, to protect against water leaks. Maximum operating pressure is 1.0 MPa (10 bar).

The product may only be installed on incoming tap cold water line.

## Trade name

CubicSecure Automatic shut-off valve

## Approval

The product satisfy the requirements set forth in chapter 8, 4 § 3 PBL, in respect to and under conditions stated in this type approval, and are therefore approved in accordance with the provisions of the following sections of Boverket Building Regulations (BBR):

Installations for drinking water  
Design

6:62 1<sup>st</sup> sentence and 2<sup>nd</sup> paragraph and advice  
6:625, 1<sup>st</sup> and 4<sup>th</sup> paragraph.

## Associated documents

Installation manual LK CubicSecure, version. SE40.C.12.2022-11-02

## Control

The factory production control (FPC) is monitored by an independent inspection body.  
Control plan: Ref no. C900737 dated 2023-02-07, Inspection body: RISE

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this

Type Approval C900737 | issue 1 | 2023-02-09  
RISE Research Institutes of Sweden AB | Certification

Box 857, 501 15 Borås

☎ +46 10 516 50 00 | [certifiering@ri.se](mailto:certifiering@ri.se) | [www.ri.se](http://www.ri.se)

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type approval and associated documents. Further the product shall be accompanied by a manufacturer's assurance, certifying that the product has been manufactured in accordance with the documents on which this type approval is based.

## Manufacturing places

Production control includes the following places:  
Factory code MFIL and MNIK

## Marking

The product is to be marked at the factory. The marking consists of text on every product and packing supplied and includes:

Holder/Distributor	LK Systems AB
Product type designation	CubicSecure
Dimensions	G20 EuroCone/G20 EuroCone
Consecutive manufacture no./date of production	date
Boverket's registered trade mark	†
Type approval number	C900737
RISE Accreditation number	1002
Certification and Inspection body	RISE

## Basis for approval

Reports O100631-1166752 and 190031 rev. 1 from RISE  
Report 72292 from D-LAB.

## Comments

The valves have been approved in accordance with NKB 13 (stop valves)

The leakage detection function of the automatic shut-off valve has been verified by RISE according to SP-Method 5314, edition 3. Leakage detection sensors are not included in this type approval, however the products ability to react to signals from sensors has been verified in the function tests performed.

Associated documents shall accompany the product or by other means be available to users of the product.

## Validity

Valid through 2028-02-08.

The validity of this type approval can be verified at RISE homepage.

The validity of this type approval expires when the type approved product with the intended use according to this type approval shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.



Stefan Coric

*This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish original shall take precedence.*