



Engineering  
safety systems

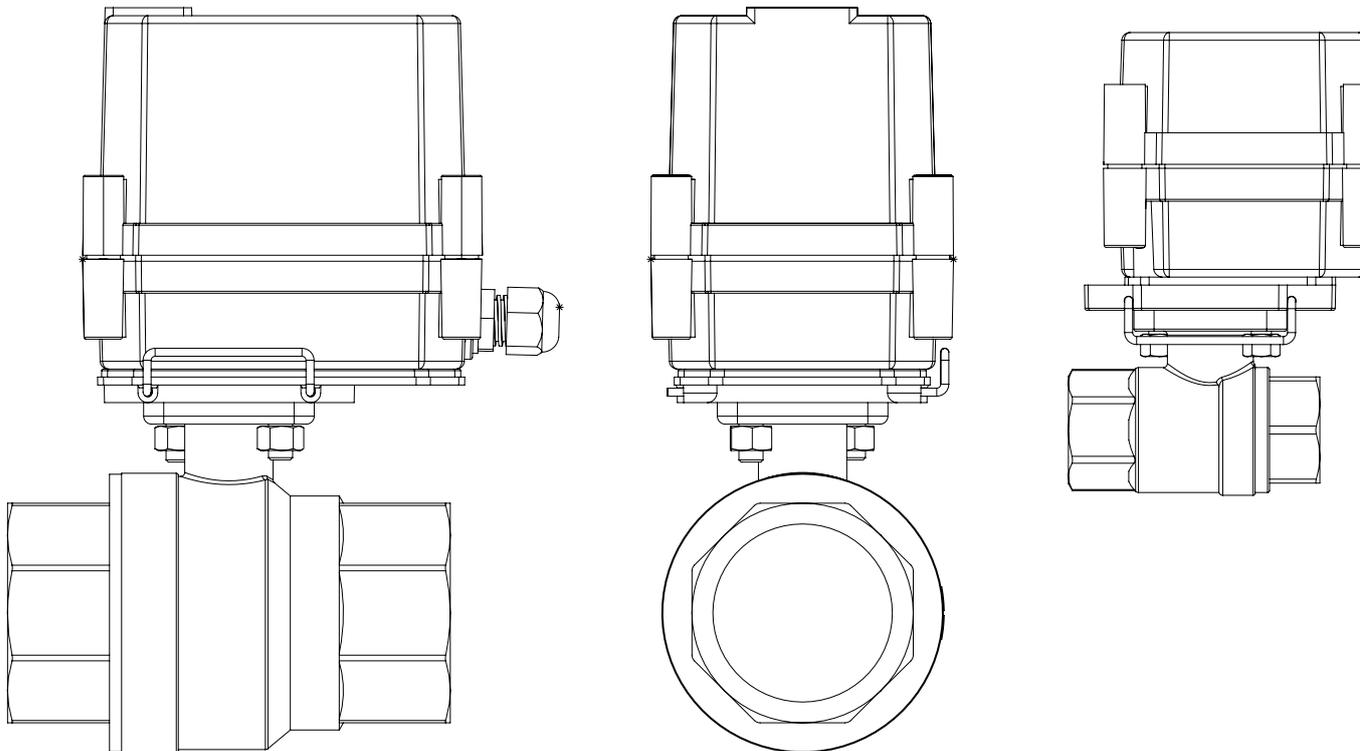
Professional  
water leak  
protection

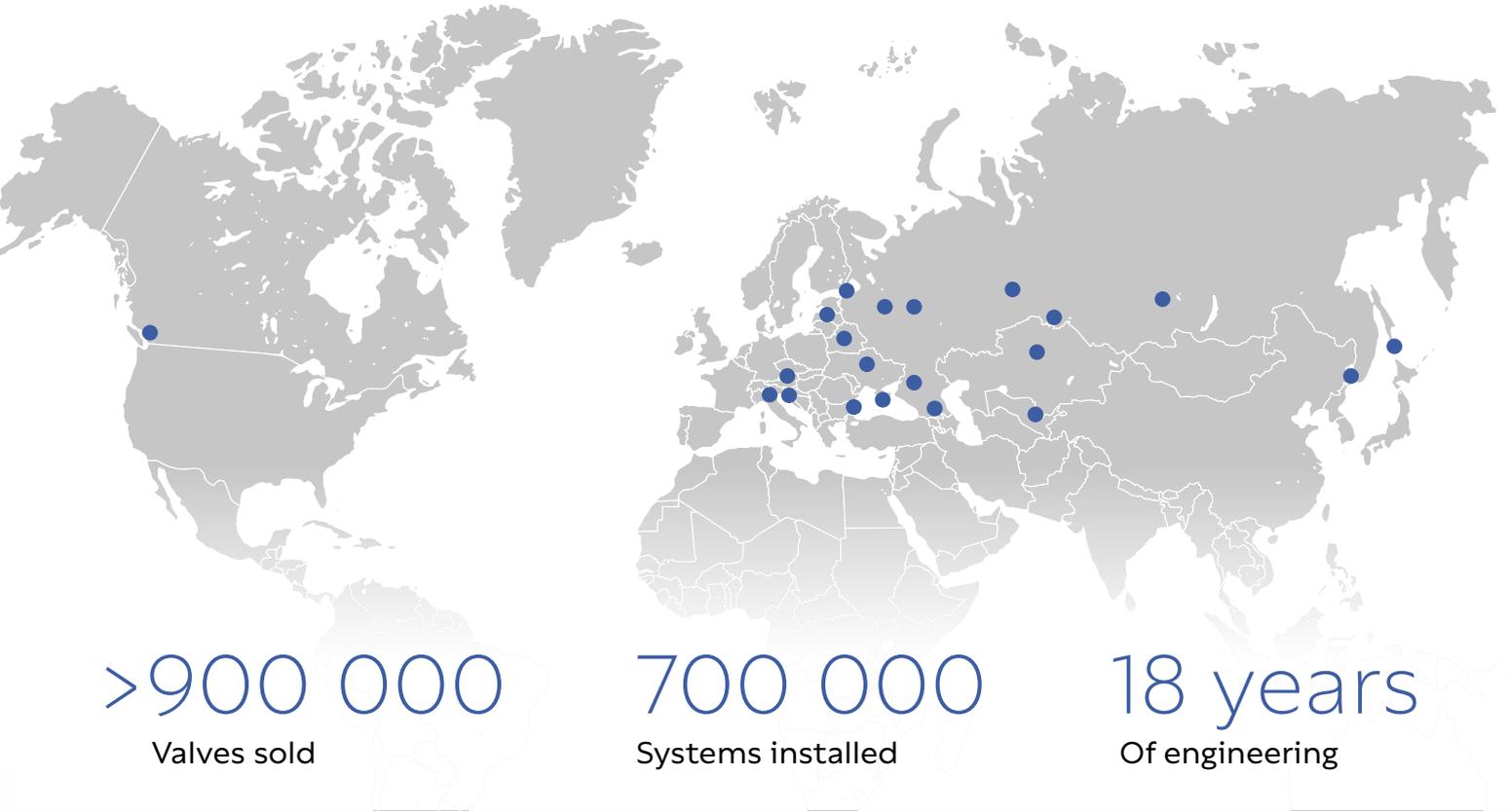




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# Gidrolock — is a major manufacturer and supplier of high-tech engineering equipment, was founded in 2006

The company possesses its own design and engineering facilities, along with production capacities, allowing it to manufacture a wide range of equipment designed to protect residential, public, and industrial premises and buildings from emergencies in water supply and heating systems.

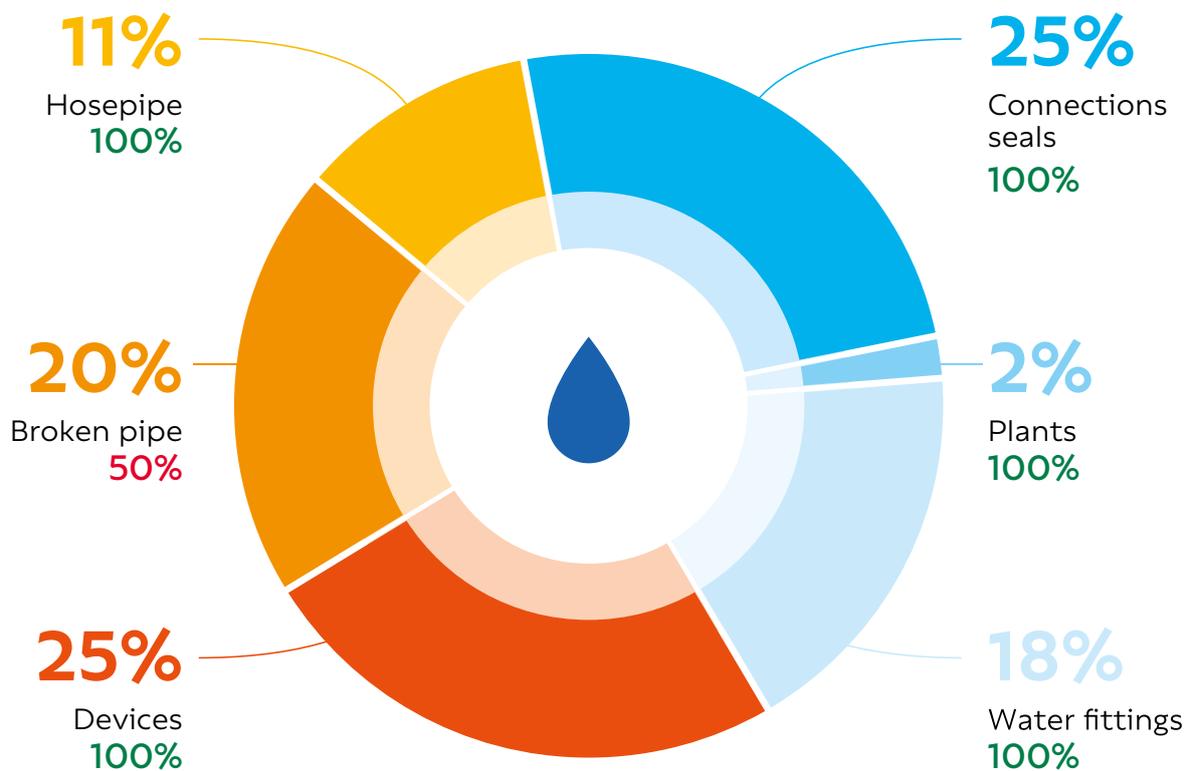
The company's operations are organized in accordance with the requirements of the international ISO 9001 standard, and its production capacity is estimated at 20,000 electric drives per month.



# More than 30% of all insurance claims is annually attributed to water damages

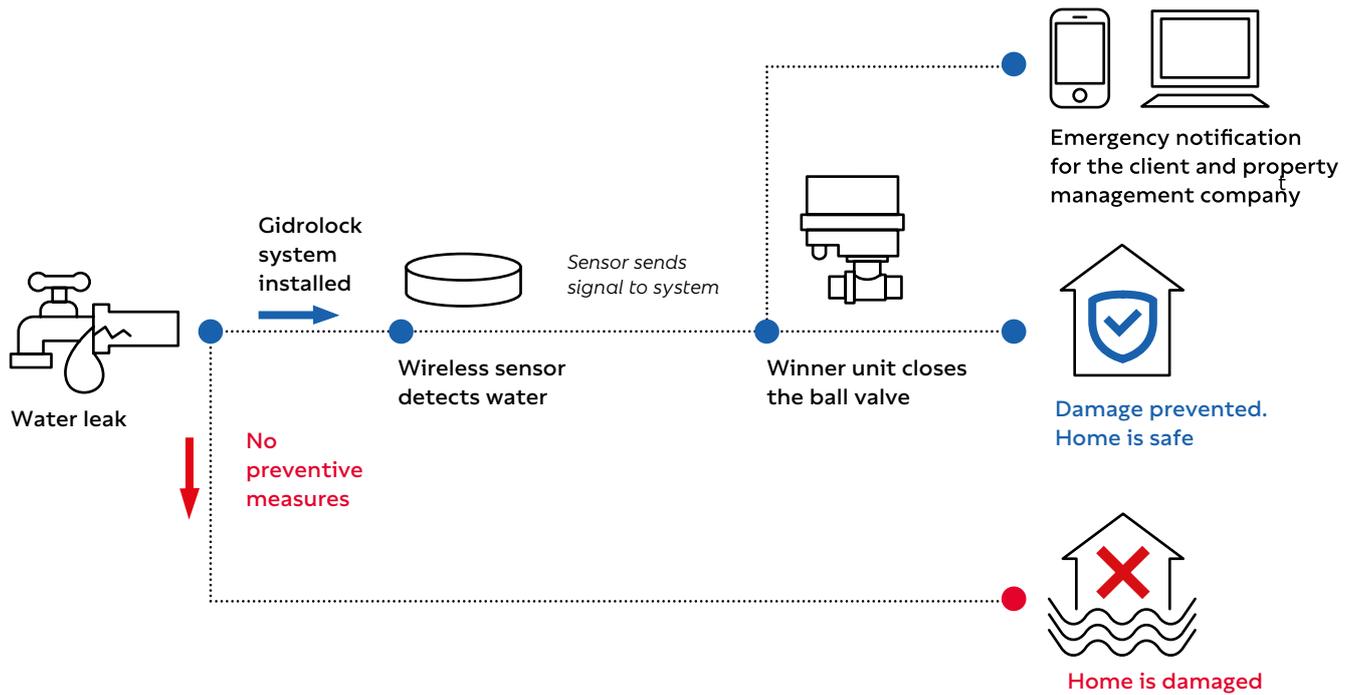
>90% coverage against water damage in a house can be prevented by Gidrolock system

Water damage occurs in a major city every 30 seconds



# Gidrolock is a modern water leakage protection system in residential and other premises

## How it works



Gidrolock will begin shutting off the water supply within two seconds of detecting a water leak



# Electrically Actuated Ball Valve

## Gidrolock Winner Radio

Electrically actuated ball valves of the Gidrolock Winner series are intended for flow control in water supply and heating systems. A high torque during autonomous operation without a 220V power supply is a specific feature of the Gidrolock Winner electrically actuated ball valves. No control unit required.

Winner Radio allows you to connect WSR.Long, as well as wired WSP and WSP2 sensors.

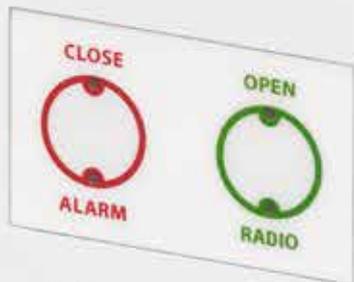


### Specifications

Attachable dimensions of ball valves	1/2", 3/4", 1"
Ball valve body material	Hot forged brass CW617N
Working environment temperature	from -20 °C to +120 °C
Ball valve connection type	F03 according to ISO 5211
Drive supply voltage	DC 8-12V
Radio frequency for Winner Radio	868 MHz
Maximum power consumption	no more than 10 W
Rated torque	10 N*m (100 kg*cm)
Maximum torque	16 N*m (160 kg*cm)
Response time (90° rotation)	21 sec.
Number of wired WSP sensors	up to 100 pcs
Number of WSR.Long radio sensors	up to 10 pcs
Number of radio remote controls	up to 10 pcs
Battery backup mode	up to 6 years
Operating temperature	from -20 °C to +55 °C
Storage temperature	from -40°C to +60°C
Protection level	IP65
Electric drive weight (no more)	550 g
Overall dimensions (WxDxH)	74x111x89 mm

### Advantages

- Autonomous operation for 10 years without 220 V power supply;
- Function for fast disconnection of the electric drive from the ball valve;
- Manual control of the ball valve position;
- Sound and light indication of water leakage;
- LED indication of the ball valve position. Two drive control buttons (red one for closing and green one for opening) are located on the electric drive enclosure;
- Integrated function for water leakage monitoring. All you need to do is to connect wire water leakage sensors to the Gidrolock Winner electric drive;



GIDROLOCK WINNER RADIO  
DC 6 ... 12V  
 $I_{max} = 0,25A$

ERL  
CE

## Electrically Actuated Ball Valve Gidrolock Winner Wi-Fi

Electric ball valve Gidrolock Winner WiFi model is designed to detect leaks and prevent flooding of premises. Used in water supply and heating systems.

The emergency signal via the Wi-Fi interface via a Wi-Fi router (purchased separately) is transmitted to the Internet and sent to the user's mobile device in the Smart Life application, from which you can also control the water supply through the ball valve.

The Gidrolock Winner WiFi model electric ball valve must be continuously powered from an external source (power adapter not included in delivery). The presence of 2 lithium batteries allows the electric drive to operate autonomously for up to 3 days in case of loss of external power.



## Electrically Actuated Ball Valve Gidrolock Winner Zigbee

Electric ball valve Gidrolock Winner model Zigbee is designed to detect leaks and prevent flooding of premises. Used in water supply and heating systems.

The emergency signal via the Zigbee interface via a Zigbee hub (purchased separately) is transmitted to the Internet and sent to the user's mobile device in the Smart Life application, from which you can also control the water supply through the ball valve.

The Gidrolock Winner electric ball valve model Zigbee is designed to be constantly powered by built-in batteries. A set of 4 lithium batteries lasts up to 2 years of battery life. When connecting an additional external source (power adapter not included), the built-in batteries will be used as a backup.



### Advantages

- The electric drive housing is protected from dust and jets of water.
- The electric drive is powered from safe voltage.
- The drive works with both wired and radio sensors.
- LED indication of electric drive status.
- Control the position of the ball valve using buttons on the body.
- Control of ball valves from a mobile application.
- Receive emergency notifications on your mobile device.
- Indication of water meter readings on a mobile device.
- Interaction with other devices and sensors of the Smart Home cloud service Tuya.
- Prevents the formation of salt deposits on the ball valve using the self-cleaning function.
- Quick release connection between ball valve and electric actuator.

## Specifications

	Winner Wi-Fi	Winner Zigbee
Attachable dimensions of ball valves	1/2", 3/4", 1"	1/2", 3/4", 1"
Ball valve body material	Hot forged brass CW617N	Hot forged brass CW617N
Working environment temperature	from -20 °C to +120 °C	from -20 °C to +120 °C
Ball valve connection type	F03 according to ISO 5211	F03 according to ISO 5211
Drive supply voltage	DC 8-12V	DC 8-12V
Radio frequency for Winner Radio	868 MHz	868 MHz
Operating frequency of Wi-Fi / Zigbee interface	2.4 GHz	2.4 GHz
Maximum power consumption	no more than 10 W	no more than 10 W
Rated torque	10 N*m (100 kg*cm)	10 N*m (100 kg*cm)
Maximum torque	16 N*m (160 kg*cm)	16 N*m (160 kg*cm)
Response time (90° rotation)	21 sec.	21 sec.
Number of wired WSP sensors	up to 100 pcs	up to 100 pcs
Number of radio sensors	WSR up to 30 pcs.	WSR.Long up to 30 pcs.
Number of radio remote controls	up to 10 pcs	up to 10 pcs
Number of pulse counters	-	2 pcs
Battery backup mode	up to 3 days	up to 2 years
Operating temperature	from -20 °C to +55 °C	from -20 °C to +55 °C
Storage temperature	from -40°C to +60°C	from -40°C to +60°C
Protection level	IP65	IP65
Eelectric drive weight (no more)	550 g	550 g
Overall dimensions (WxDxH)	74x111x89 mm	74x111x89 mm

## Quick release mechanism unique feature

Provides quick installation and maintenance of the system.

How it works:



The valve with platform, electric drive and locking bracket ensure convenient installation of the compact crane even in cramped conditions.

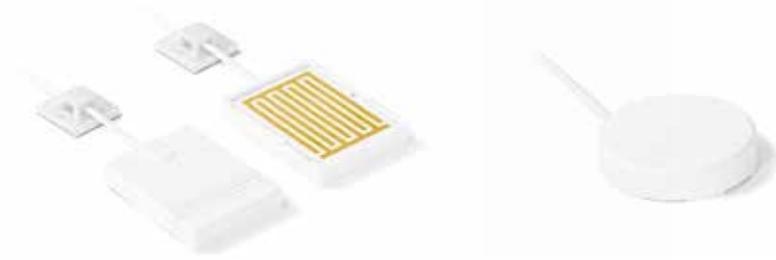


Install the electric drive on the faucet with a platform perpendicular to the pipe.



Turn the electric drive clockwise and insert the locking bracket. Ready!

# Gidrolock Wire Sensors



## WSP

The Gidrolock WSP water leakage sensors are intended for detecting water leakages in water supply, heating, sewerage and air conditioning systems.

## WSP2

The Gidrolock WSP2 water leakage sensors are designed for detecting water leakages in water supply, heating, sewerage and air conditioning systems.

## Specifications

	WSP	WSP2
Dimensions of the water leakage sensor	35x47x8 mm (without the cable)	d=50 mm, h= 12 mm (without the cable)
Connecting cable length	3, 5, 10 m	3, 5, 10 m
Consumed current of the WSP sensor	I=0 mA	I=0 mA
Sealed enclosure with ingress protection rating	IP67	IP67
Operating temperature range	from -30 to +60°C	from -30 to +60°C
Weight	40 / 60 / 90 g	40 / 60 / 90 g
Sensor signal transmission type	wire	wire
Colour	white	white

## Features

- Special anti-corrosion coating to increase the service life of the water leakage sensor electrodes;
- Possibility to increase the wire length up to 100 m.

## Gidrolock WSR Wireless Radio sensors

The Gidrolock WSR wireless radio sensors are intended for detecting water leakages in water supply, heating, sewerage and air conditioning systems. When water gets on the radio sensor electrodes, it transmits an emergency signal via a radio channel to the connected control unit or to the control unit with a radio channel.



### Specifications

Dimensions	ø=50 mm, height 12 mm
Weight	50 g
Sensor signal transmission type	wireless
Signal transmission frequency	868 MHz
Power supply voltage	3 V, CR2032 battery – 2 pcs.
Design operation time without battery replacement	10 years
Maximum radio communication length	500 m line of sight
Operating temperature range	from 0 to +50°C

### Features

- Bidirectional data exchange ("request/response" function), battery charge monitoring;
- Sensor's electrodes are coated with gold to increase its service life.

# Uniqa

Gidrolock has a contract with Uniqa Austria insurance company. The contract includes a fixed discount to every customer that installs the system in their living space. Moreover, GreenPoint Apartments located in Wiener Neustadt, Austria implemented Gidrolock systems across all apartments and it has been successfully protected tenants for several years.

20%

Fixed insurance policy discount for customers

20-40%

water leak damage reduction (depending on the building)

company estimate

1000 €/year

Average customer saving



[www.green-point.at](http://www.green-point.at)  
90 Flats, 10 Comercials, 4 % Rev  
184 Gidrolock units installed  
7 potential water damages prevented

# Generali Hungary

Partnering with Generali Hungary, a project is launched to protect over 300 apartments with Gidrolock systems

Hungarian insurance companies collectively spend approximately 2 billion Euros annually to cover damages resulting from accidents in water supply and heating. Gidrolock offers the ultimate solution



## Three ways of Gidrolock installation:

- At the expense of the insurance company
- At the expense of the bank. Leasing
- Credit

# Gidrolock is a part of #MOI Magic Of Innovation Congress in Vienna



Together with our insurance partners, we have started implementing Gidrolock systems in significant hotel and residential complexes



Four Seasons Abu Dhabi, UAE  
3000 systems planned. Testing



Fontana Towers, Bahrain  
Testing 5 Towers up to 80 floors each



Goldenhills, Uzbekistan  
978 systems installed



Hilton Hotel Astana, Kazakhstan  
2745 systems installed



Ray Residence, Kazakhstan  
256 systems installed



**Italy**

[gidrolock.it](http://gidrolock.it)

**Austria**

[www.gidrolock.at](http://www.gidrolock.at)

**Türkiye**

[www.vatanseveras.com](http://www.vatanseveras.com)

**Bulgaria**

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