

Notes



September 2014



Waterhahn®

Security in building infrastructure systems

The alarm units



Wasserm Maus
The simple unit for detecting leaks.

Wasser-Stop Signal
The simple unit for detecting leaks with optional modification and expansion capabilities.



Wasser-Stop Alarm
The leak-detection system with optional modification and expansion capabilities.

The water shutoff

Wasser-Stop Robi F
The simple safety fixture that installs in the piping system. Replaces solenoid valves.



Other products in our line

NEW!



Waterhahn®

Security in building infrastructure systems

WASSER-STOP ROBI SYSTEM The water shutoff



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Specifications

Drive unit:	
Dimensions	127 x 83 x 86 mm (L x W x H)
Housing	Plastic
Power	230 V
Connection cable	Approximately 5 m long (permanently connected to the control unit)
Type of drive	Electric drive
Torque	10 Nm
Closing time	45 seconds
Operation	Emergency opening with hand lever and locking button
Ball valve:	
Pipe diameters	1/2" - 2"
Certification	SVGW (Swiss Gas and Water Industry Association)
Assembly:	Install the ball valve with the motorised drive in the pipeline. Position the probe as indicated in the instructions.
Commissioning:	Plug the power supply unit in a socket, and the unit is ready for use following a self-test.
Operational test:	<ul style="list-style-type: none">• Lay the probe(s) on a wet cloth / sponge• The control unit turns on and the motorised ball valve closes, water stops flowing.• Remove the probe from the cloth / sponge.• The control unit switches, and the motorised ball valve opens within 45 seconds.
Options:	<ul style="list-style-type: none">• Potential-free contact• Flashing light and / or signal horn• SMS alarm

WASSER-STOP ROBI SYSTEM

The **Wasser-Stop Robi System** leak-detection unit is a safety fixture which stops the flow of water in case there is a leak.

The **Wasser-Stop Robi System** stands out due to its compact design, simple installation and commissioning as well as the highest level of operational reliability.

Application

The **Wasser-Stop Robi System** is installed in the water pipeline. When the moisture probe detects the slightest amount of water, the ball valve is closed by the motorised drive with its integrated control unit. This prevents more water from escaping. The user is made aware of the problem in the system because water no longer flows.

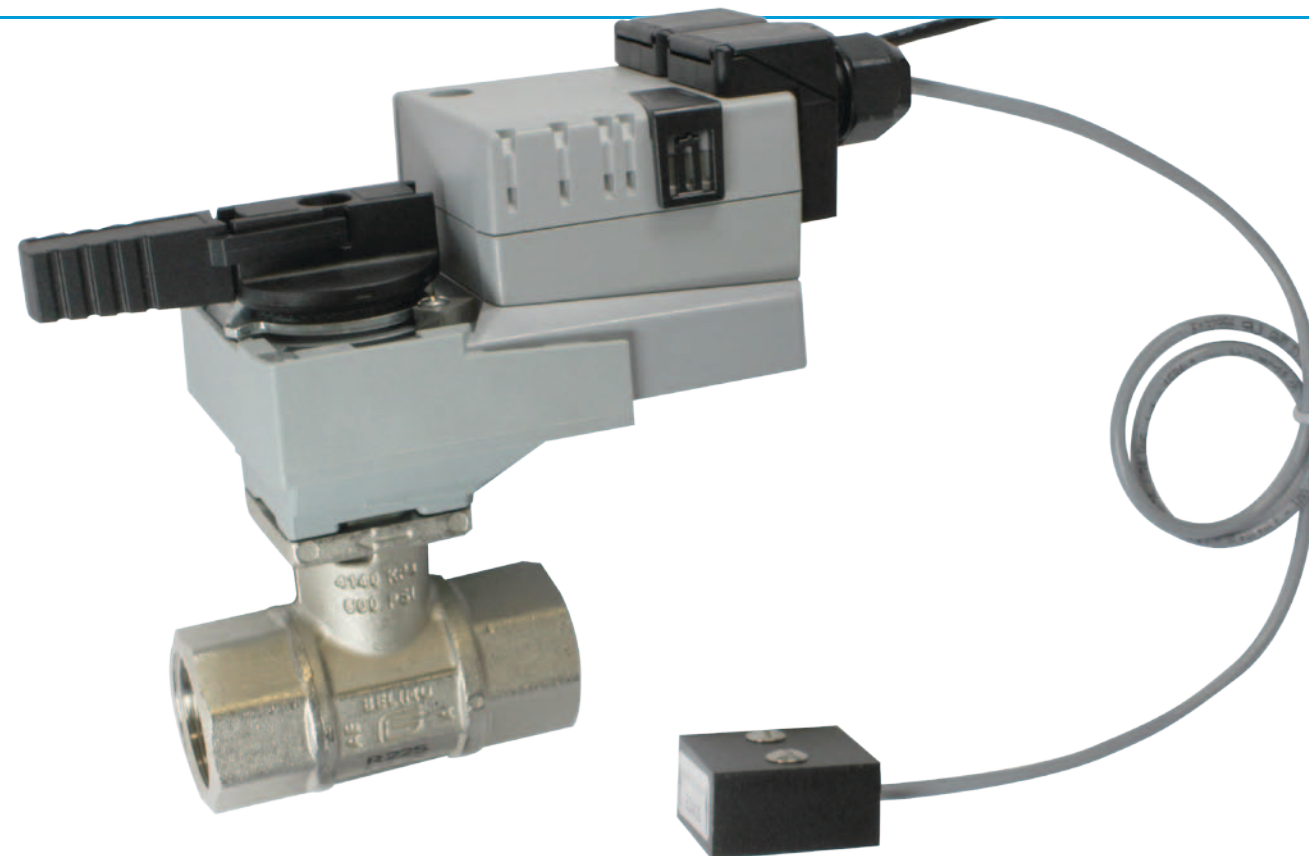
The **Wasser-Stop Robi System** can be expanded using the potential-free contact to tie into various signalling and alarm systems.

We work together with you to assemble just the right system for your customers.

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Application areas

- 🔹 Food centres / steam cookers
- 🔹 Whirlpools / steam baths
- 🔹 Water-softening systems
- 🔹 Water heaters
- 🔹 Free-standing water heaters with water-distribution units

- 🔹 Rooftop heating utility rooms
- 🔹 Laboratory equipment
- 🔹 Industrial settings
- 🔹 Protection of sensitive areas such as storerooms, archives, IT rooms, etc. (Can also be built into heating systems.)



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Everyday examples

Free-standing water heater:

An apartment building has a free-standing water heater with a water-distribution unit for the various apartments. The drain line for the safety valve is calcified so when water is heated the drain funnel overflows and water runs into the cabinet.

Or – the same free-standing water heater starts to leak.

A properly placed sensor probe detects the moisture. The motorised ball valve of the **Wasser-Stop Robi System** which is installed in the water pipeline then closes. No more water flows from the outlets. Based on this situation, the system is examined, and the defect in the installation or equipment is found before more extensive water damage is caused. A visual or acoustic alarm can be optionally activated.

Water-softening system:

A water-softening system is set up and installed in the hallway of a basement, near the distribution branches. In case of a defect in the actuator or in the regeneration line, there is the threat that the neighbouring basement or hobby rooms will be flooded. In this case, too, a properly located sensor probe detects the water, whereby the motorised ball valve of the **Wasser-Stop Robi System** installed in the water pipeline closes reliably before any additional damage is caused. Here, an optional acoustic alarm is a good idea.