

FDV - Waterguard+ Wireless Single 3/4 w/WaterSensor+ [Art. no.: 72.380.337111 - NRF: 5648932 - NOBB: 60600425]



Article number	EAN	NRF	NOBB
72.380.337111	7072380371110	5648932	60600425

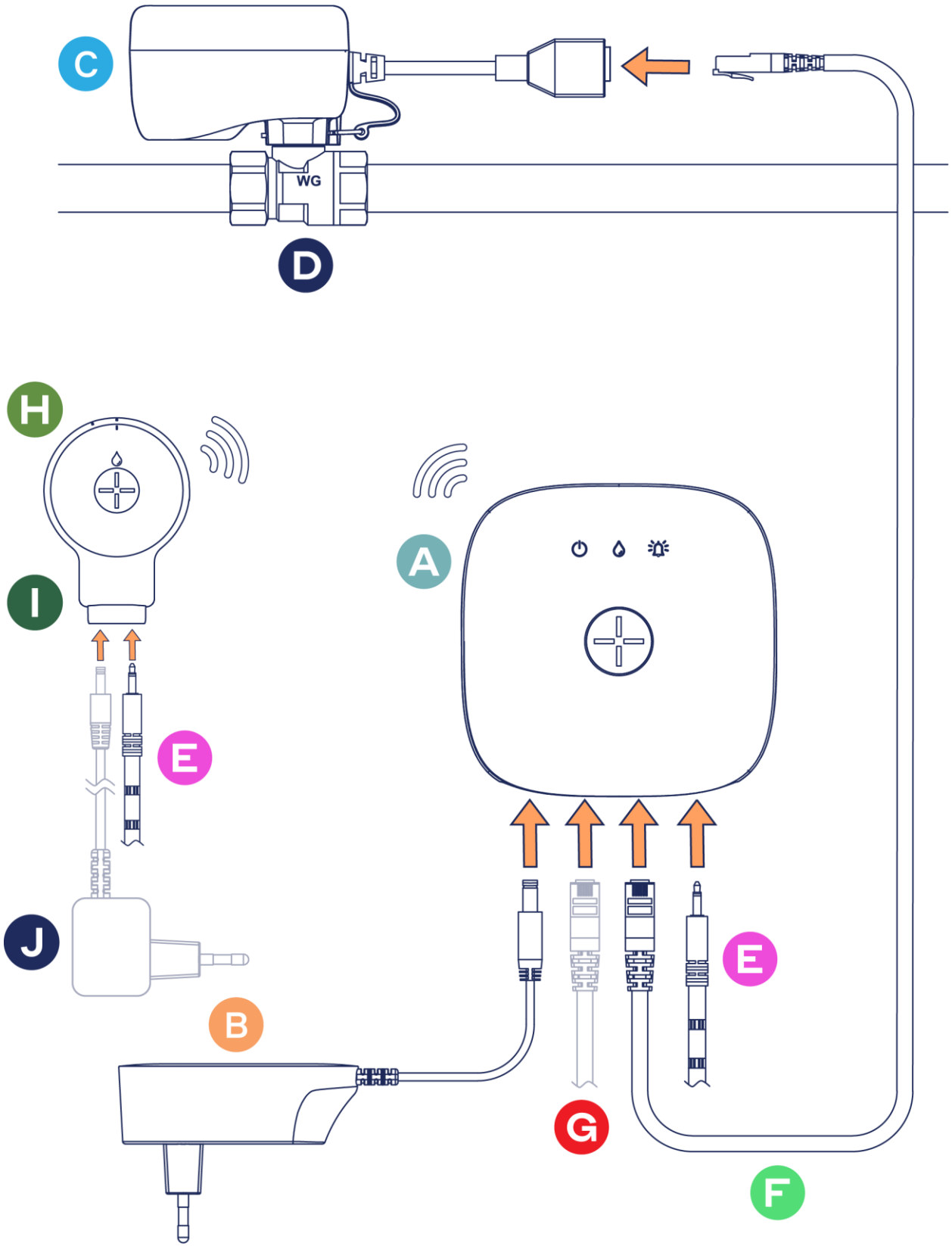
Product information

Waterguard+ Wireless Single 3/4 w/WaterSensor+ is an advanced leak protection system designed to monitor and automatically shut off the water supply in homes, holiday homes, apartment and commercial buildings in the event of water leaks, low temperatures that can lead to ice formation and pipe bursts, as well as high humidity levels. The system is approved by Sintef under approval number TG20834 and meets Norwegian building regulations including TEK10 and TEK17. All electrical components in the system are tested and certified according to CE requirements, as well as meeting REACH and RoHS regulations.



System Overview

The product package consists of the central unit Linkbox+, one 3/4" DN20 valve and one sensor tape that detects water leaks, one WaterSensor+ wireless water sensor, WaterSensor+ Bracket (incl. one sensor tape) bracket for mounting a wireless water sensor, and accessories for installing this.



Products in bundle

Product Name	Number	Description	Article	EAN/GTIN	NOBB
Abra Linkbox+ WiFi (A)	1 pcs.	The central unit that handles signals from sensors and controls the ball valves.	72.380.337112	7072380371127	5648933
230V -> 24V 1.0A Power Adapter (B)	1 pcs.	24V DC power adapter for Linkbox+ WiFi and Linkbox+ 4G.	72.380.337315	7072380373152	5648925
Waterguard+ Ball Valve DN20 3/4" (D)	1 pcs.	Ball valve is installed on the water pipe to control the water flow.	72.380.337304	7072380373046	5648912
Waterguard+ 1/2" and 3/4" Valve Actuator (C)	1 pcs.	Actuator to operate the ball valve based on feedback from sensors.	72.380.337305	7072380373053	5648876
Waterguard+ Sensor Tape w/3.5 mm Jack (E)	1 pcs.	Wired water sensor detects the presence of water.	72.380.337307	7072380373077	5648877
Cat.6 Cable - 2xRJ45 - 0.6 m (F)	1 pcs.	Network cable for connection between the Linkbox+ and the valve actuator.	72.380.337324	7072380373244	5648887

Waterguard+ Water Sensor with Humidity and Temperature (H)	1 pcs.	Wireless water sensor for detecting water, as well as measuring temperature and humidity.	72.380.337306	7072380373060	5648875
Waterguard+ Water Sensor+ Bracket (I), inkludert Sensor Tape 3 m (E).	1 pcs.	Bracket for fixed mounting of the WaterSensor+ on the wall or floor. The bracket enables the connection of external 5V power adapter for WaterSensor+, as well as sensor tape with 3.5 mm Jack plug for extended coverage area (3 m long sensor tape is included with the bracket, external power adapter must be ordered separately).	72.380.337310	7072380373107	5648922

(G) Indicates network cable connected to Linkbox+ (not included in product package). Waterguard Cat. 6 cable (0.6 m or 2 m) can be used, alternatively standard network cable Cat. 5 or later.

(J) NOTE! Power adapter for WaterSensor+ **not** included. If it is necessary to install a permanent power supply, please use the following article number to order. [Art.no 72.380.337311, NOBB: 5648923] - [Power adapter for WaterSensor+ power supply bracket.](#)

For a complete overview of product packages and products belonging to Waterguard+, see the article [Overview of Waterguard+ product packages and article numbers](https://support.waterguard.no/hc/articles/14813969010845) (<https://support.waterguard.no/hc/articles/14813969010845>).

Installation instructions

Detailed instructions on how to install the product correctly and safely are available at Waterguard Customer Support under the section [Installation and User Manual – Waterguard Customer Support](https://support.waterguard.no/hc/categories/13644910475549) (<https://support.waterguard.no/hc/categories/13644910475549>).

See [7. Sensor Installation and Deployment – Waterguard Customer Support](https://support.waterguard.no/hc/articles/4629648482717-7) (<https://support.waterguard.no/hc/articles/4629648482717-7>) for detailed description of deploying WaterSensor+ standalone and using the WaterSensor+ Bracket.

General guidelines:

- Waterguard+ is suitable for use in homes, holiday homes, apartment and commercial buildings, both on the supply of hot and cold water.
- The system must only be installed in a dry and frost-free environment.
- The system is intended to detect water leaks and limit the extent of damage. There will always be some water spillage before the sensors react and the water supply is turned off.
- The valves must be installed by a licensed plumber in accordance with the Constitution. installation guide. This is to ensure correct operation of the system, as well as valid insurance in the event of any water damage.
- In the event of a power failure, the ball valves will retain the position they had at the front (open or closed).
- The water in the pipe system must satisfy the European Drinking Water Directive.
- The system must only be used in good condition and in accordance with the requirements of the system. installation and use instructions in this manual.
- The installer must always ensure that the ball valve is installed before connecting power.

For detailed solution descriptions, see the [Installation Solutions](https://support.waterguard.no/hc/categories/13644911508893) section (<https://support.waterguard.no/hc/categories/13644911508893>).

For the relevant product package with one valve unit and the supplied wireless water sensor, the following articles are applicable (individually or in combination with each other).

Solution description	Chosen solution (CHECK THE TYPE OF INSTALLATION)
Waterguard+ installed on main intake (cold water) https://support.waterguard.no/hc/articles/4755821964189	
Waterguard+ installed in the kitchen https://support.waterguard.no/hc/articles/4754926847773	
Waterguard+ installed on main intake (cold water) https://support.waterguard.no/hc/no/articles/4755821964189	
Wireless Water Sensor and Sensor Tape Installation for Water Leak Detection https://support.waterguard.no/hc/no/articles/13848247468317	
Waterguard+ installed in bathrooms and washrooms https://support.waterguard.no/hc/articles/13626381528733	

Operating Instructions

Guidance for normal use of the product, including start-up, operation, and shutdown is available in Section [11. Use and Maintenance](https://support.waterguard.no/hc/articles/5361731179805) and [12. Modes, Alerts and Signals](https://support.waterguard.no/hc/articles/10029552866717) on Waterguard's website.

The product is intended to last the lifetime of the building, assuming normal use, maintenance and wear and tear.

Maintenance Procedures

The Waterguard+ system requires minimal maintenance during normal use, other than keeping the sensors clean (free of dust and dirt).

The WaterSensor+ wireless water sensor has an expected battery life of up to 5 years. Refer to [the WaterSensor+ User Manual \(https://support.waterguard.no/hc/articles/4778568484765\)](https://support.waterguard.no/hc/articles/4778568484765) for detailed instructions.

However, it is important that the system is function-tested at least 2 times per year to be sure that the system works as intended. Follow the instructions in article [10. Functional test \(https://support.waterguard.no/hc/articles/4629650381597\)](https://support.waterguard.no/hc/articles/4629650381597) in the Waterguard+ Installation and User Manual.

Please note that if the system is installed in public or publicly accessible areas, inspections must be carried out in accordance with applicable regulatory requirements. Although cleaning is not necessary for its functionality, it can be carried out for aesthetic reasons. Clean with common household cleaners, but avoid harsh chemicals containing oil and alcohol, as these can discolor the plastic components.

Safety Instructions

Waterguard+ is designed with safety in mind and uses a 24V DC power supply. Despite the low voltage, we ask that you be aware of the hazards of electrical products and adhere to the instructions below.

LES DETTE

FARE VED INSTALLASJON AV UTSTYR

- Bruk alltid produktet i samsvar med spesifiserte tekniske data.
- Ta vare på installasjonsinstruksjonene i hele produktets levetid.

Hvis du ikke følger disse instruksjonene, kan det medføre skade på utstyret.

⚠️ ADVARSEL

FARE I FORBINDELSE MED FORSEGLET BATTERI

Ikke lad opp, demonter eller brenn batteriet.

Hvis du ikke følger disse instruksjonene, kan det medføre død eller alvorlig skade, eller skade på utstyret.

- The system must only be installed in a dry and frost-free environment.

- The valve and valve components must not be dismantled when the water pipes are pressurized. The water supply must therefore be shut off and drained out of the pipe system before installation.
- Visibly damaged cables or equipment should be replaced to prevent short circuits or reduced functionality.
- The central unit with associated power adapters, cables and valve actuator is intended for use indoors and in dry environments only.
- Connection points must not be sprayed directly or indirectly with water or other liquids during use or cleaning.
- The installer must always ensure that the ball valve is installed before connecting power. When connecting power when the valve is not fitted, there is a significant risk of finger injury or damage to the valve as a result of foreign elements in the valve opening.

Troubleshooting Guide

If the valve does not close/open:

- Check that the Cat.6 cable is correctly connected in both the valve actuator and the Linkbox+ (blue RJ45 connector).
- Make sure that the Linkbox+ is connected to mains voltage
NB! Linkbox+ has a built-in emergency battery that ensures that the central unit communicates with wireless water sensors and can report water leakage even in the event of a power failure. However, the emergency battery cannot be used to open or close the valve(s), and the valve will remain in the last position.

If the system does not go off when the sensor tape is wetted:

- Verify that sensor tape is correctly connected to the Linkbox+ (jack plug)
- Check that there is no damage or breakage to the sensor tape.

If the system goes off an alarm when sensor tape is wetted but the water remains open, refer to the section "simple valve test" in [section 10. Functional test](https://support.waterguard.no/hc/articles/4629650381597) (<https://support.waterguard.no/hc/articles/4629650381597>).

If an extension piece or splitter is used to extend the sensor tape, and some of the sensor losses do not trigger a water alarm in the function test; Check that the tape is correctly connected at the joints. If necessary, swap the tapes to clarify whether it is the joint piece or the tape that is the problem.

If the valve does not open after the function test, there is most likely still moisture on the sensor tape. Wipe the sensor tape well and repeat attempts to open the valve.

Spare parts and accessories

Spare parts

See the list at the top of the document for a complete overview of products in the package. These products can be ordered individually at www.waterguard.no and from distributors of Waterguard.

Accessory

For accessories to the Waterguard+ system that can be used to increase the coverage area for water detection or to connect multiple valves, see [Overview of Waterguard+ product packages and article numbers](https://support.waterguard.no/hc/no/articles/14813969010845-Oversikt-over-Waterguard-produktpakker-og-artikkelnumre) (<https://support.waterguard.no/hc/no/articles/14813969010845-Oversikt-over-Waterguard-produktpakker-og-artikkelnumre>)

Legal and regulatory requirements

Generally

The purpose of the system is to detect water leaks and limit the extent of damage. There will always be some water spillage before the sensors react and the water supply is turned off.

Declaration of Conformity CE marking and sales in the EU/EEA

[Declaration of Conformity for Linkbox+ 4G / WiFi](#)

<https://erp.felltech.no/document/share/67/ee3187f0-93c1-433e-a6dd-6cf39b9e65d1>

[Declaration of Conformity for Linkbox+ 4G / WiFi Power Adapter](#)

<https://erp.felltech.no/document/share/68/fd898c5a-7d15-4211-8709-4ba61cea8370>

[Declaration of Conformity for Valve Actuator for Ball Valves](#)

<https://erp.felltech.no/document/share/69/5ae05ef1-52ff-4b3b-b39d-f04b5fdf9572>

Other:

Ball valves from Waterguard are tested to meet the requirements for reliable function and service life, as well as hygienic properties for safe use in contact with drinking water.

The valves hold KTW and W270 certificates and certifications required by the Norwegian authorities according to the UBA System 1+ regulation.

Type approval

Waterguard+ is type-approved by Sintef and registered under [TG 20834 Waterguard+ leak arrester](https://www.sintefcertification.no/Product/Download/11188) (https://www.sintefcertification.no/Product/Download/11188). The system has been tested together with leak detection sensors and valves for water shut-off, and found to comply with the current requirements for function, service life and hygienic properties.

Contact information

Distributor

Provider: Waterguard Intl. AS

Organisation number: NO 812 750 062 MVA

Post address: Bragernes Torg 2A, 3017 Drammen, Norge

Phone: +47 23 11 56 60

E-mail: post@waterguard.no

Internet address: www.waterguard.no

Support

See [Waterguard Customer Support](https://support.waterguard.no) (https://support.waterguard.no) or contact us by phone +47 23 11 56 60.

Guaranteed

The Waterguard+ and its accessories are free from material defects and are designed in accordance with the consumer protection laws and regulations of the country in which the product is purchased. All correctly installed Waterguard+ systems are covered by our 5-year limited warranty.

Waterguard is not responsible for defects that do not affect the essential function of the product, or that are due to user error, accidents, overvoltage, use contrary to the supplier's or our instructions/product sheet or lack of maintenance. The buyer's right to invoke defects also lapses if the product is changed or repaired by someone other than the supplier without the supplier's prior written consent. Waterguard is only liable under the warranty if the Buyer complains within the warranty period and within the warranty period.

For detaljerte garantivilkår, se [Waterguard produktgaranti](https://erp.felltech.no/document/share/42/f5f01eb5-9724-4507-a866-dfb2a972af30) (https://erp.felltech.no/document/share/42/f5f01eb5-9724-4507-a866-dfb2a972af30).

If components of your Waterguard+ system need repair within the warranty period, please contact Waterguard Customer Support.

Extended warranty when registering Linkbox+ with Abra

By registering your Linkbox+ with Abra through the Abralife app, you as a customer get a 10-year extended warranty on the product. The warranty starts from the time of purchase or the time of takeover of the system if delivered in new builds.

To register Linkbox+; scan the QR code on the front of the Linkbox+ and follow the link. This will take you directly to the download and installation of the Abralife app, as well as the setup, registration and configuration of the Linkbox+ in your Abra smart home.