



Henco Smart Monitoring
Sustainable, smart and safe



Welcome to the future of water management.

The advanced **Henco Smart Monitoring system** gives you complete control of and insight into your water consumption and its environment. Whether you run a household, business or institution, this innovative system optimises efficiency, prevents waste and protects your property.

Why opt for less when you can rely on an **all-in-one solution** that makes water management smarter and safer?

**Smart monitoring,
smart savings.**



With our Smart Monitoring System, you can:

- ✓ Accurately track and analyse water consumption.
- ✓ Monitor water pressure and temperature in real time.
- ✓ Monitor the ambient temperature in a broader context.
- ✓ Detect water leaks and take immediate action. In case of a leak, the system automatically cuts off the water supply to prevent damage.

The Henco Smart Monitoring system consists of **3 active components**:

Henco Item	Item
✓ HSM-VALVE-0505	Henco Smart Monitoring Shut-off Valve 2x Eurocone 3/4"
✓ HSM-DETECTOR	Henco Smart Monitoring Detector
✓ HSM-SENSOR	Henco Smart Monitoring Sensor



Henco Smart Monitoring

Shut-off valve

HSM-VALVE-0505

This smart shut-off valve is the key element and brain of the system. By using **ultrasonic precision technology**, the Henco Smart Monitoring Shut-off Valve boasts the **smallest design** on the market.

The Henco Smart Monitoring Shut-off Valve records **water consumption, water temperature** and **pressure** in real time and detects a minimum **water leak** of 0.01 l/hour (e.g. a leaking tap), as well as a tap left running for a prolonged period or a major system leak resulting in the supply being cut off immediately.

When the Henco Smart Monitoring Shut-off Valve is connected to one or more Henco Smart Monitoring Detectors, the system will be immediately **shut down** if a Henco Smart Monitoring Detector **physically detects water** or if there is a **risk of damage from frost**.

All data is available in real time. If the alarm is triggered and the supply is cut-off, this is reported via the **mobile app** or the **desktop portal**.

Specifications shut-off valve

Area of application	Indoor use (not watertight)
Connection	G20 Eurocone male thread (DN20)
Climate/Environment	5°C - 30°C
Storage temperature	-25°C - 55°C
Wireless frequency	2.4 GHz, (802.11 b/g/n)
Water temperature	Cold and hot water (0.1°C - 70°C)
Pressure	PN10
Maximum pressure (15 min.)	16 Bar
Water flow at a pressure loss of 1 bar (Kvs)	4.6 m³/hour
Maximum throughput capacity	4,000 l/hour
Starting flow	6 l/hour
Micro-leak detection	>0.3 bar pressure loss (approx. 0.01 l/hour)
Medium-sized leak detection	>6 l/hour for at least 45 minutes
Major leak detection	>1,500 l/hour for at least 90 seconds
Weight	720 g
Dimensions	H: 85 mm, W: 71 mm, L: 110 mm
Power	5 V DC 2A mains adapter, micro-USB cable (EU plug), 1 m cable
Average power consumption	~6 kWh/year (Wi-Fi enabled)
Standard transmission interval	1 hour (can be set more often)
Time for opening/closing the valve	~10 seconds
Flow measurement accuracy	Maximum ±3% error margin
Water temperature measurement accuracy	Maximum ±2% error margin
Water pressure measurement accuracy	Maximum ±10% error margin





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Detector

HSM-DETECTOR

The Henco Smart Monitoring Detector is small and the set-up is very simple; it triggers an instant alarm on contact with water, causes the Henco Smart Monitoring Shut-off Valve to cut off the supply and sends a notification to the app. With its limited dimensions (diameter 67 mm and height 25 mm) it fits under the dishwasher, washing machine or other leak-prone appliances. If height is still an issue, you can use the Henco Smart Monitoring Sensor (**HSM-SENSOR**) to get started. It is the height of a button cell and is connected to the Detector. The Detector can also be used as a stand-alone product. In this case, an alarm is triggered only if it comes into contact with water.

Specifications shut-off valve

Area of application	Indoor use
Storage temperature	5°C - 55°C
Climate/Environment	-25°C - 60°C
Temperature accuracy	±1.5°C
Relative humidity range	0 - 100% RH (Relative humidity)
Relative humidity accuracy	± 5%
Alarm volume level	85 dB
Wi-Fi connectivity:	2.4 GHz Wi-Fi, (802.11 b/g/n)
Cloud data resolution	30 min.
Standard transmission interval	24 hours or immediately when the alarm is triggered
Weight	80 g
Dimensions	Diameter: 67 mm, height 25 mm
Henco Smart Monitoring Sensor cable:	1,219 x 27 x 8 mm
Battery	CR123A lithium cell
Warranty	2 years



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Application

Get real-time notifications in the app:

- ✓ Gain insights into water consumption.
- ✓ Reduce your water consumption by setting targets.
- ✓ Receive information from the system immediately in case of problems, allowing you to avoid serious damage.

By keeping an eye on your water consumption, on average you can **save up to 30%*** water usage. This results in savings of **8-16%** on your energy consumption and paves the way for both sustainability and cost efficiency.

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