

Our system

Our innovative purifying system

ICA one

2

Connectors
drink water
compression
coupling

3

Controle unit
State of the
Art ionisation
control unit
and monitoring

5

Valve
Special 3-way
bypass valves

1

Chamber head
easy electrode
chamber access

4

Electrode chamber
Copper and silver
electrode pairs

6

Flowmeter
Exact water flow
measurement



ATECA's smallest system, the ICA One, comes with a built-in bypass. It's also been specially developed for smaller locations, it requires less maintenance and is practically plug-and-play.

The ICA One is a custom designed copper-silver ionisation solution that provides 100% Legionella safe drinking water. This system uses a flowmeter to determine the exact amount of water being used and then precisely handles the ionisation process, releasing copper and silver ions as required. ICA One is connected to the ICA ServiceLink, a web portal which can be accessed at any time, from anywhere and on any device - via internet. This service delivers readouts, settings management and data logs of the device providing users with useful information. It also has a USB connector and is Bluetooth ready for those locations without internet.

Application Field

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| Villas Bed & Breakfast Small hotels (up to 20 rooms) | Smaller nursery / elderly homes Special care homes Small wellness spa pool | Yachts Small marina's Fire Tanks |
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Features

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| Power connections: Power supply 33-48V, 1.25A via adapter | Network: UTP CAT5 10BASE-T/100BASE-TX, Auto-MDIX Customisable behaviour via settings | Interface: Two RGB LEDs for user feedback Interface soft button |
| Control loop: Copper anode output 0-30V 0-1000mA Silver anode output 0-10V 0-250mA Flowmeter sensor input, pulse 0,5-1000Hz | USB: FAT16/FAT32 Mass storage Firmware upgrade Configuration | |

Specifications

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|--|---|---|
| Electrode chamber: double layout Dimensions: 55 x 20 x12 cm Weight: 4,5 kg Operating temperature: 5 to 60 degrees Celcius | Connection type: compression coupling Connection measurements: 22, 28 or 35 mm Materials: ATA approved and NSF compliance Built-in bypass Valves: 3-way by-pass valves Material: PVC | Control unit: ICA ionisation controls Power consumption: 60 watt at max. operating RTC battery backup USB interface UTP interface Flow meter: k-factor controlled |
| Working pressure: up to max. 6 bar Test pressure: 12 bar Max ionisation flow: 35 ltr/min Max flow without pressure drop: 105 ltr/min | | |

Ionisation Range

Copper 99,9%, pair arrangement
Silver 99,99%, pair arrangement

Approvals

ECHA approved ART. 95 substance supplier
KIWA certified including approved materials
Dutch Board for the Authorisation of Plant Protection Products and Biocides (CTGB)
World Health Organisation
According UK L8 Approved Code of Practice
NSF compliance

Firmware

Firmware updates are handled by the firmware via online updates. However, the firmware can be updated via USB in case there's a problem with the network connection.