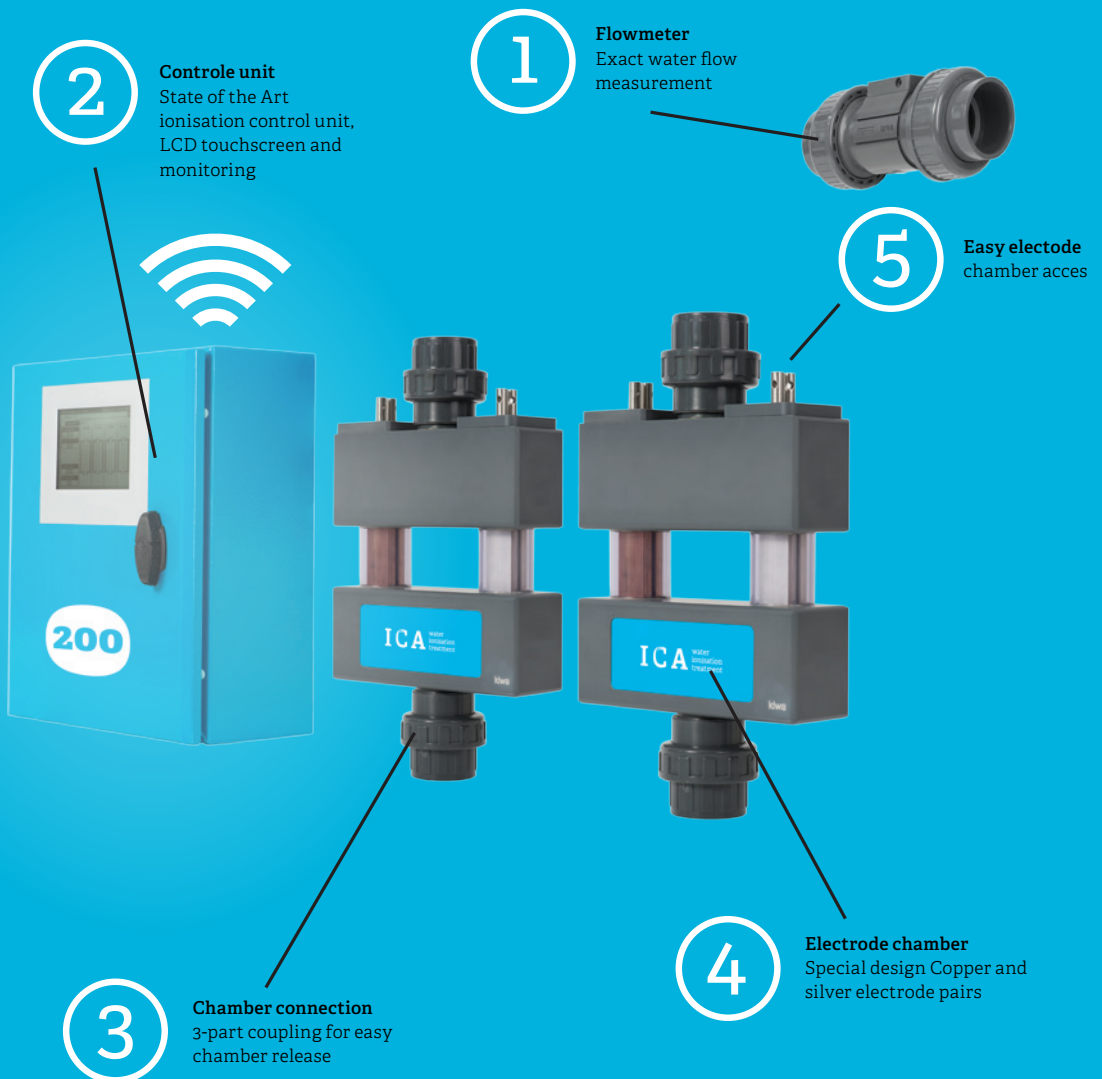


Our system

Our innovative purifying system

ICA water ionisation treatment



The ICA system is a proven 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 system 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.



ICA	Control Unit	Kamer	Flow-meter	Power	Ionisation flow (ltr/min)	max flow *(ltr/min)	Connection to By-pass **	Specifications
100	Single	1 pcs	1 pcs	< 100 W	0 - 160	400	1 ½"	Control unit: ICA ionisation control unit to be completely digital controlled: Main controller and anode card operating independently and anode card output checked by the controller for maximum safety. Electrode chamber: PVC transparent electrode chamber, including special ICA square-flow electrodes.
200	Double	2 pcs	1 pcs	< 200 W	80 - 320	800	2"	
300	Single + Extension	3 pcs	3 pcs	< 300 W	160 - 480	1200	2" - 2 ½"	
400	Double + Extension	4 pcs	2 pcs	< 400 W	320 - 640	1600	2 ½" - 3"	
600	Double + 2 x Extension	6 pcs	3 pcs	< 600 W	480 - 960	2400	D90 - D125	

Larger units available, special design on request.

* without pressure drop ** Internal thread or flange type connection

Application Field

Hotels
Nursery building
Super yachts

Medical centres
Offshore vessels
Fire tank safety
Office / apartment buildings

Marina
Wellness spa pool
Hospitals

Features

Power connections:
Power supply 48V- 2A

Memory card:
SD-card access for download options.

Interface:
Fully integrated LCD touch screen

Control loop:
Copper anode output 0-48V 0-2000mA
Silver anode output 0-12V 0-400mA

Network:
UTP CAT5 10BASE-T/100BASE-TX.

BMS import

Two making or breaking, potential free relays for alarming purposes.

Ionisation electrodes

Special square-flow pure copper (99,9%) and pure silver (99,99%) electrodes. Supplier should be listed on the ECHA Article 95 list for Copper and Silver (PT2, PT5 and PT11).
Flowmeter: K-factor adjustable; - Hall sensor "Low Power" electronics: 4...20mA

output; - Flow range accuracy: +/- 4% of the flow rate.

Operating temperature: 5 to 60 degrees Celcius

Working pressure: up to max. 10 bar
Test pressure: 16 bar

Materials: ATA approved and NSF compliance

Power supply: 240 VAC, 50 Hz

Internet connection: LAN

Revit and Autocad drawings available on request

By-pass

System to be installed inline before filling the tank or hydrofor after filter set, using a by-pass for non-interruption of the water supply during maintenance.

Approvals

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

ICA ServiceLink

Online monitoring and continues online control over the system and ionisation process. This is the only way to have 100% guaranty that the system is working correctly.