



Self-powered water chlorinator

S4 Brochure & Specifications



Sensiblu S4

Effortless, eco-friendly water disinfection for safe and clean drinking water.

The Sensiblu S4 uses patented salt electrolysis, powered entirely by water flow, to produce active chlorine (HOCl / NaOCl) in situ. No external electricity, no chemicals, no servicing — just refill salt when needed. At 4–16 L/min, it generates 0,2–0,45 mg/L active chlorine — within WHO guidelines and below the taste threshold.

Scalable to your needs

From a single kitchen tap to an entire home with multiple taps, from a community school serving hundreds of children to a business with multiple installations — one S4 or a combination of units covers it all. Units connect in parallel to increase flow, or in series to increase dosing. Flush your system with cold chlorinated water produced by the S4 to eliminate pathogens, remove biofilm, and safely lower hot water temperatures — saving significant energy while keeping your system safe from *Legionella* and other pathogens.

We clean it, you drink it.

Where and when to use



At Home:

Treat all your tapwater at point-of-entry or point-of-use in your home.



Hot (tap)water only:

If you already have a solar boiler, low-temperature heat pump, or similar system, pairing it with the Sensiblué can help you achieve significant energy savings.



Commercial setting:

Offer safe water to your customers, staff and guests, perfect for food preparation at your business location(s) and hotels, guest-houses, campgrounds, etc.



Remote locations, private wells, or (to prepare for) an emergency:

Sensiblué always works as it does not need electricity from the grid, 4 meters of water pressure is enough to have your water disinfected.



On the move or temporary setups:

Perfect to install in Campers, Yachts, (Cruise)ships, at Festivals, etc...



Grey (rain)water:

Install Sensiblué in any reuse water system to ensure the water is safe from pathogens to use for irrigation, washing, flushing the toilet, etc.

Two versions of Sensiblué salt container



The Medium version of Sensiblué S4 holds 1,1kg of Salt, which (depending on your use) can disinfect approximately 55,000 Liters of water before refill.

The Large version of Sensiblué S4

holds 2,4kg of Salt, which (depending on your use) can disinfect approximately 120.000 Liters of water before refill.



Sensiblu S4	Medium (M)	Large (L)
Dimensions (LxWxH)	25,2 x 14,4 x 38,5 cm (9,92 x 5,67 x 15,16 in)	25,2 x 14,8 x 40,3 cm (9,92 x 5,83 x 15,87 in)
Product weight (incl Salt)	4,5 KG (9,9 lbs)	6,0 KG (13,3 lbs)
Salt amount	1,1 KG (2,4 lbs)	2,4 KG (5,3 lbs)
Refill salt after approx.	55.000 L ±50% (14,000 gal)	120.000 L ±50% (30,000 gal)
Salt requirement	Only use: sodium chloride salt pellets / tabs > 6 mm for water softeners (>99,5% NaCl), according EU norm: EN 973 Type A or US: NSF/ANSI/CAN 6o	
Salt consumption	10 to 30 grams / 1.000 L (1.3 to 4 ounces / 1,000 gallons)	
Flow-range >0,2 mg/L chlorine production	0,2-0,45 mg/L: 4-16 L/min or 240-960 L/hour 0,2-0,45 ppm: 1-4 gpm or 60-240 gph	
Flow-range >0,1 mg/L ppm chlorine production	> 0,1 mg/L: from 2,5 to 25 L/min or 150 to 1500 L/hour > 0,1 ppm: from 0,7 to 6,7 gpm or 40 to 400 gph	
Max chlorine production	0,45 mg/L: @ 7 L/min or 420 L/hour 0,45 ppm: @ 1,8 gpm or 110 gph	
Min. water pressure, flow	0,4 bar; > 240 L/hour (6 psi > 60 gph)	
Max. working press., flow	PN6, 6 bar, < 990 L/hour (87 psi; < 260 gph)	
Nominal water pressure	PN8, 8 bar @ 23 °C (120 psi; @ 73 °F)	
Min. temperature	5° Celsius (40° Fahrenheit)	
Max. temperature	45° Celsius (113° Fahrenheit)	
Connections	2x ¾" BSPP male (G3/4") or BSPT ¾" or NPT ¾"	
Certifications	CE (LVD, EMC, RoHS) · EN 1717 · Wetted components drinking water certified or in certification (KTW-BWGL, KiWA, DVGW, WRAS, EU 10/2011) · Biocidal approval: ECHA Art. 95 on the productname "Chlorinsitu®-V", BPR 528/2012 PT01-05 & PT11 in 20+ EU and EEA countries plus Switzerland	
Box dimensions (LxWxH)	29 x 17,5 x 44 cm (11,42 x 6,89 x 17,32 in)	
Made in	The Netherlands	
Warranty	7 years, 700.000 Litres (150,000 gallons) or 70.000 starts/stops, whichever comes first.	

Sensiblu S4

Incoming water specifications

Acidity pH

pH 6 to 9,5 – We recommend maintaining a pH level between 7 and 8, where our active chlorine is most effective and contains HOCl (hypochlorous acid)

Hardness

< 12 dH; < 22 fH or <2,2 mmol/L

Organics / TOC

< 5 ppm KMnO4 / max. 1 mg/L TOC - To reduce Organics/TOC-level it is advised to install an activated carbon filter in front of the Sensiblu.

Iron / metals

< 0,2 ppm

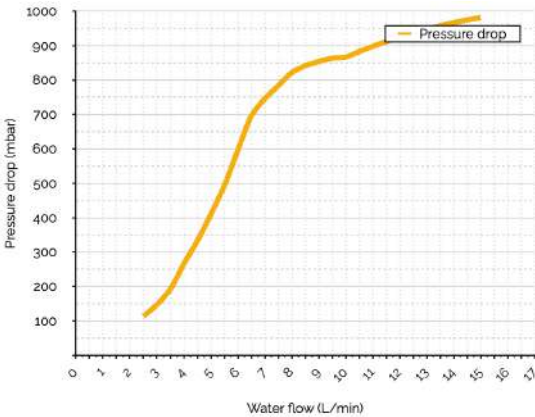
Turbidity

Max. 0,5 NTU or < 0,17 ppm. Minimum advised pre-filtration 100 micron. For drinkable water quality we recommend pre-filtration of 1 micron to remove protozoa.

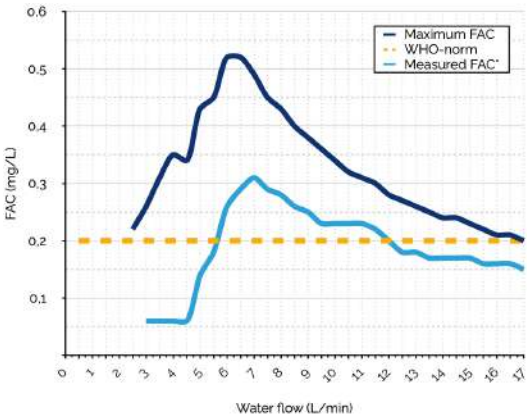
Salinity

< 500mg/L (< 500 ppm) - The system works even if salinity exceeds this level, But in that case you cannot rely on the LED color, as it will always indicate green, regardless of actual performance.

Pressure drop of Sensiblu

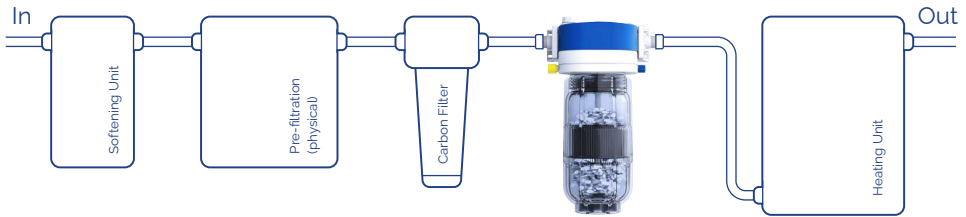


Active chlorine production measured as Free Available Chlorine (FAC)



* Meas. FAC measured @ TOC level 1,86 mg/L, higher TOC results in lower FAC

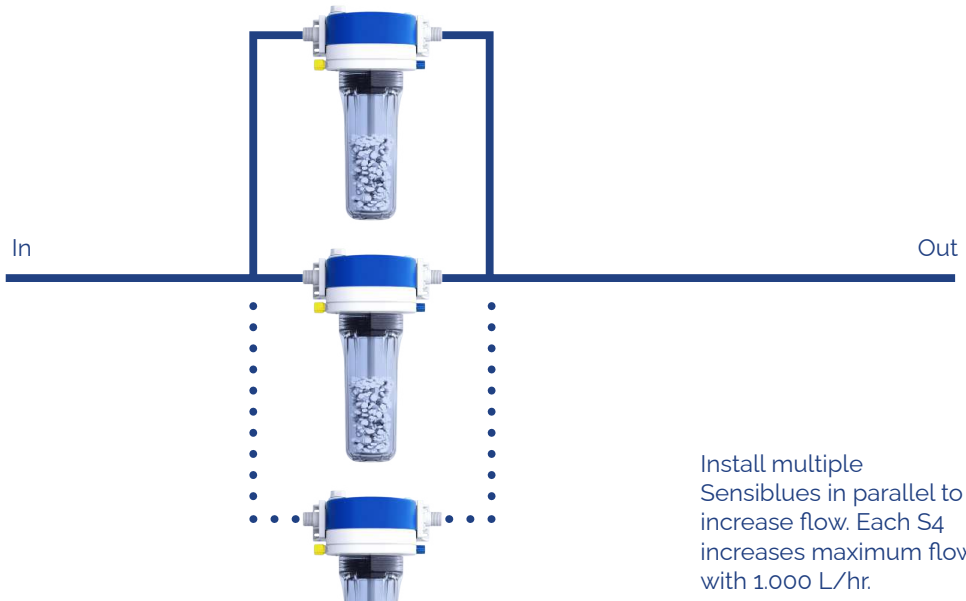
Where to install if you have other appliances:



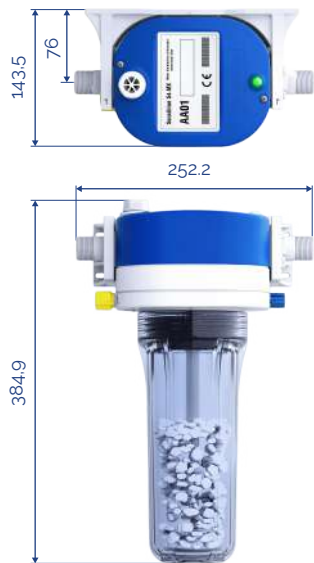
Sensiblue is easily scaleable in series:



Or in parallel:



Sensibblue dimensions (in mm)

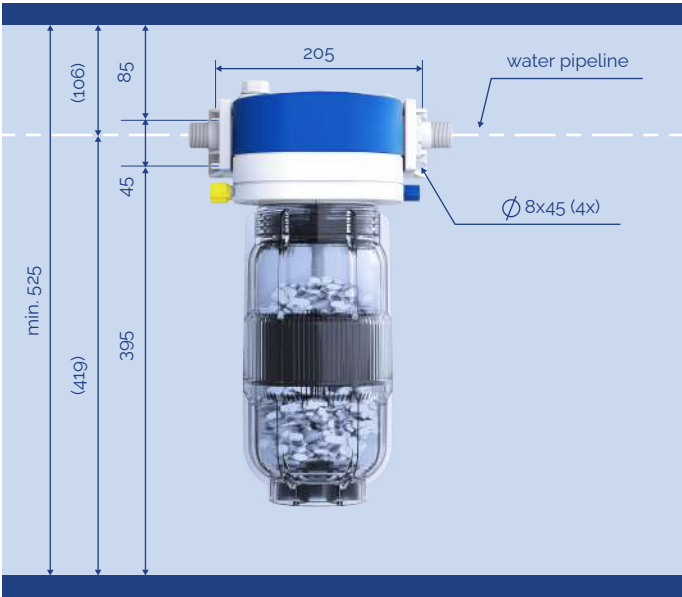


Sensibblue Medium (M)



Sensibblue Large (L)

Installation footprint Sensibblue wall free space / minimum



For more information please contact:

v1.4 English - ISO

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We clean it, you drink it.