
Sensiblue Model S315

Installation, Use and Service Manual



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Thank you for your purchase of Sensiblu Model S315, if installed properly the Sensiblu may provide you with safe disinfected drinking water for years to come! Please remind yourself to check regularly if the LED still is green, for proper disinfection. If the LED is red, turn to page 5 for refilling the salt container.

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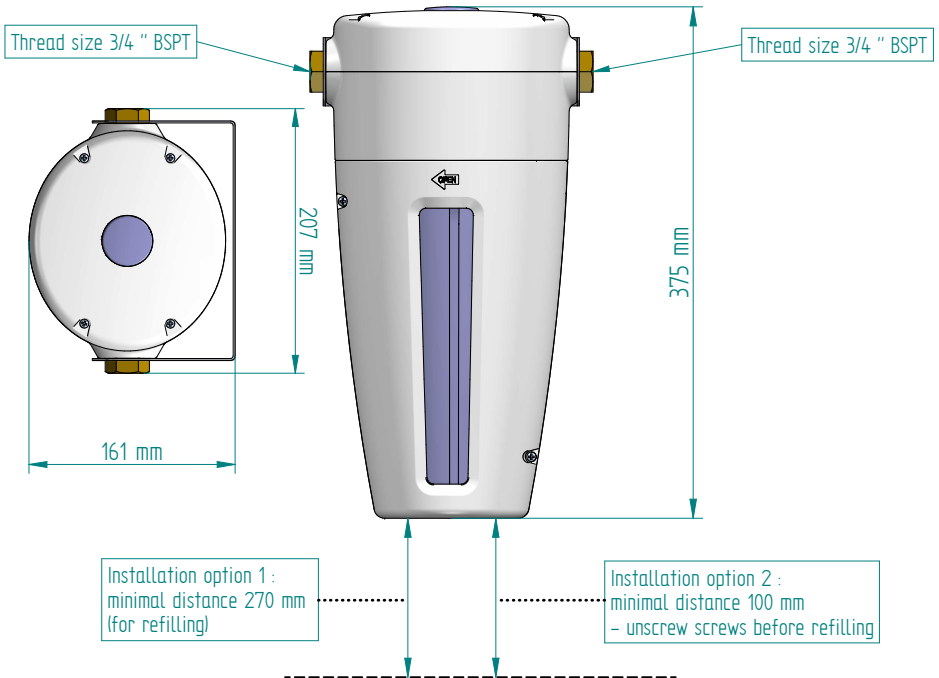


Fig. 1 - Sensiblu dimensions

INSTALLATION - OVERVIEW

Preparation

Though you may be able to install the Sensible yourself, we recommend using a local certified installer to install it according local regulations. Make sure you keep enough space around Sensible to replace salt container as mentioned in Fig. 1.

Install in a dry, clean, aerated and frost-free environment.

Inside the box:

- ▶ Sensible S315
- ▶ Bracket to mount Sensible S315 to the wall
- ▶ Installation manual
- ▶ Blue Bracket for unmounting salt container

Needed for installation:

- ▶ (Flexible) tubing with brass fitting 3/4" inch male thread.
- ▶ 2 Screws, Diameter 6mm, min. Length 45mm with plugs.
- ▶ **ONLY** use Teflon tape, for making a water tight connection
- ▶ 2 Wrenches (for Sensible: size 30)
- ▶ Screwdriver and other tools for installing tubing.

Typical installations

We advice you to install the Sensible with a by-pass (Figures B & C) and - when you have a water storage facility to install the Sensible upstream of the tank.

Please be aware that we strongly advice you to have 2 valves up- & downstream (marked A & B in figures on the right) of the Sensible, this is needed for maintenance.

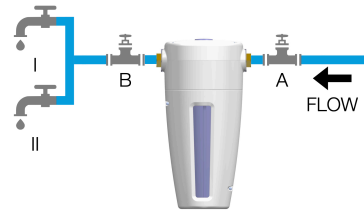


Fig. A - Installation in line

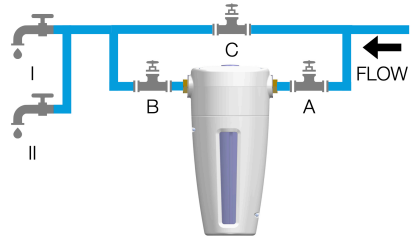


Fig. B - Installation with by-pass

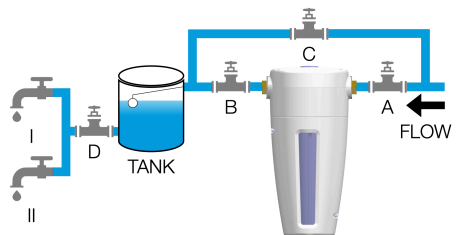


Fig. C - Installation with by-pass and water storage tank

INSTALLATION - STEPS

Step 1

Mount the bracket (horizontally levelled) to the wall while having enough space around the Sensiblu to work and to be able to replace the salt container (see Fig. 1), distance 2 holes 140mm.

Be aware to let the water flow in the right way - incoming water on IN connection, outgoing water on OUT connection - see Fig. 4, below. Make sure the internals of the water works are clean before connecting your tubing to the Sensiblu.

Only use Teflon tape to make the connection water tight.

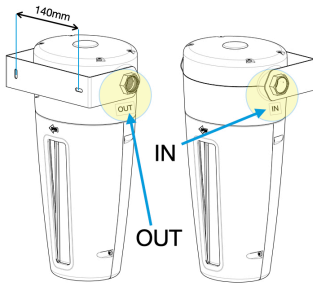


Fig. 4 - Check labels IN & OUT

Step 2

Connect your tubing to the Sensiblu. We advise the use of a minimal diameter of 15mm tubing to ensure proper function of Sensiblu.

Make sure Sensiblu is mounted inside the bracket before connection and make sure you use 2 wrenches, on the Sensiblu a wrench size 30 and another wrench on the fitting you screw into the Sensiblu, as seen in Fig. 5 - on the right.

Prevent any mechanical stress on the internals of the Sensiblu.

Step 3

Open the water valves, fill up the Sensiblu and make sure the LED on top of the Sensiblu is lit up green (Fig. 6) while your water is running. It takes 10 to 30 minutes for the water container to fill up and to dissolve enough salt for the Sensiblu to function properly and to start up the electrolysis process. Depending on your situation it may take up to 15 days of normal use for the air to fully dissolve from the salt container of the Sensiblu.



Fig. 6 - LED status light

Step 4

Make sure there is no water leaking after closing the valves downstream and opening the valves upstream, when the system is under pressure.

Leave this manual and the blue salt container bracket somewhere close to the Sensiblu for later service and maintenance.

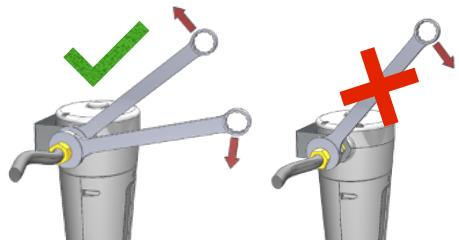


Fig. 5 - Please use 2 wrenches.

SERVICE AND MAINTENANCE

The Sensibleblue disinfection process uses a very small amount of salt when in operation. When the LED-light lits up red, there is not enough salt water for the electrolysis process to function properly. You need to refill the Salt container.

Refilling Salt container

- ▶ Close the valves upstream of the Sensibleblue (Page 3, Valves A & C) in your water circuit.
- ▶ Open one of the downstream taps (Page 3, Taps I or II, etc) to release water pressure.
- ▶ Close the valve downstream of the Sensibleblue (Page 3, Valve B)
- ▶ Open the white Sensibleblue housing by turning the housing following the indicated direction "OPEN". If there is no space to remove the cap downwards, you may unscrew the housing (marked yellow, Fig 7).
- ▶ Unscrew the blue salt container anticlockwise.
- ▶ Pour out 1/3rd of the water. After refilling it will take 10-30 minutes before a sufficient amount of salt has been dissolved for optimal performance of chlorine production. Leaving part of the salty water will accelerate startup.
- ▶ Clean the container and O-ring with warm water. (Fig 8)
- ▶ Check the position of the T-shaped salt distribution unit in the container and the position of the O-ring; make sure the T-shaped unit is pressed in below the O-ring.
- ▶ Pour the salt in the container (consumable salt pearls, dimensions 5-15mm, according EN973 Type A and/ or DIN19604 Type 2). If possible, fill the container up with water before mounting to minimise air inclusions.
- ▶ Mount the salt container back to the Sensibleblue and **close it hand tight**.
- ▶ Slowly open the upstream valve, the container will be de-aerated if you open a downstream tap and close and open the upstream at least 10 times for deaerating the Sensibleblue.
- ▶ Note: After refilling the container it takes some time for the Sensibleblue to start up the disinfection process. The LED indicator will turn green again soon after.

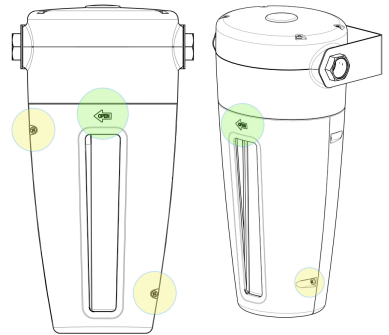


Fig 7. Screws of Salt container

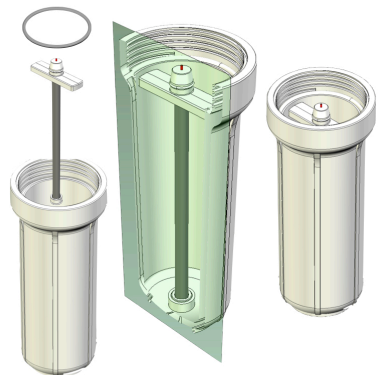


Fig. 8 - exploded view of Salt container

PRODUCT SPECIFICATIONS

Sensiblue	Model S315
Max. capacity	Approximately 15 L/min; 900 L/h
Min. flow for disinfection	Approximately 3 L/min; 180 L/h
Max. water pressure	8 bar; 116 PSI
Min. water pressure for disinfection	0,2 bar; 3 PSI
Salt consumption	15 to 30 gr/m ³
Active chlorine production	0,2 to 0,4 mg/L
Connections	2x 3/4" BSP female
Product Dimensions	175 x 233 x 370 mm
Product Weight (incl Salt)	3 kg
Salt amount	850 gr

Incoming water requirements

Max. temperature	45 degr. C.; 113 degr. F.
Min. temperature	5 degr. C.; 41 degr. F.
Req. feed - Ph	7 to 8 Ph
Max. prefiltration	100 micron; pref. 40 micron
Hardness	< 30 dH, <50 fH
Organics	KMnO ₄ < 5 ppm
Iron	< 0,2 ppm
Salt requirement	5 - 15mm tabs EN973 TypA or DIN19604 Typ2

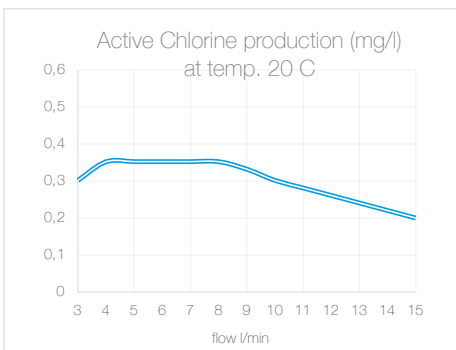


Fig. 2 - Chlorine production

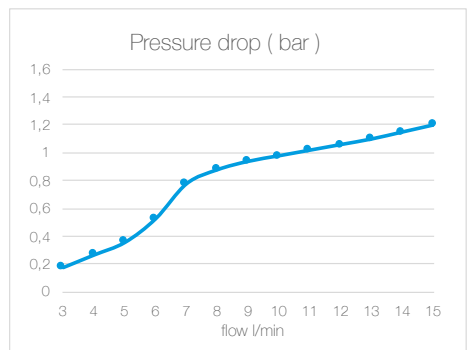



Fig. 3- Pressure drop

PROBLEM SOLVING

Problem	Solution
LED indicates red: 	Electrolysis process doesn't work properly. <ul style="list-style-type: none">▶ Check if there are still salt pearls in the salt container, if there are none, please refill, see page 5.▶ Check if the T-shaped distribution unit inside salt container is not blocked
LED does not work	Water pressure / flow is not sufficient. <ul style="list-style-type: none">▶ Increase water flow to > 3L/min.
Leakage of the Sensiblu	<ul style="list-style-type: none">▶ Check if salt container is mounted properly, open and close it again.
Active chlorine test indicates production is below 0,2 mg/l	<ul style="list-style-type: none">▶ Check if there are salt pearls in the salt container, if not, refill.▶ Flow is insufficient, increase flow to > 3L/min.▶ Flow is too high, decrease the flow to <15L/min.
Water tastes salty	<ul style="list-style-type: none">▶ Make sure that all the air is out of the salt container inside the Sensiblu. If there is air trapped inside the container, pressure will build up when you close a tap and when you open up a tap, it will push out a small amount of very salt water. It may take up to 15 days, with normal use of your water works, for the air to get out of the Sensiblu.▶ If there is no air inside the Sensiblu, and you still taste salt water, we advice you to add a small (minimum 5L.) storage tank of water downstream of the Sensiblu, the small amount of salty water will be diluted in the tank. Adding a float switch in the tank is recommended to minimize the amount of starts and stops of the Sensiblu.

LIABILITY, WARRANTY & COPYRIGHT

Liability: Please check the website www.sensiblue.eu/general/terms-and-conditions sections 6 and 9 with regards to any claims and damages. Installation of this product implies that you agree with these terms and conditions.

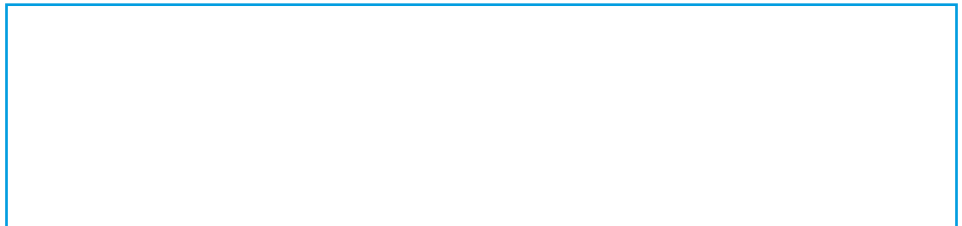
Warranty: The factory guarantee period for the Sensiblue S315 disinfection unit is 5 years on all non-wearing parts. The guarantee is valid when there is a proper installation of the Sensiblue according to the instructions of this manual.

If you have any trouble to start up the Sensiblue please check the installation and operation instructions first. If your Sensiblue has been working properly and if you experience an operational problem please check the service and maintenance section first. If you are not able to solve your problem contact your reseller and report your problem as well as your Sensiblue serial number, which is located at the label on top of Sensiblue.

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We reserve the right to make technical modifications arising from the further development of the Sensiblue product presented in these operating instructions. For this reason, no claims may be derived from technical data, descriptions and illustrations.

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