

User manual

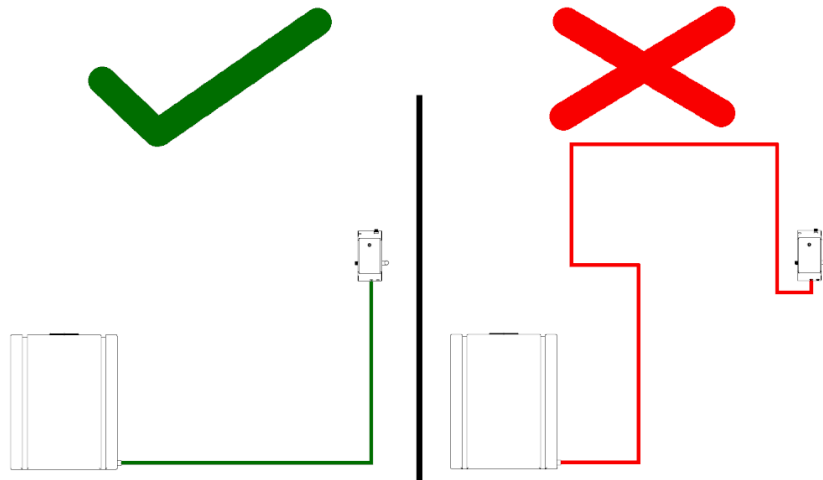
Decentral Satellite

High Pressure

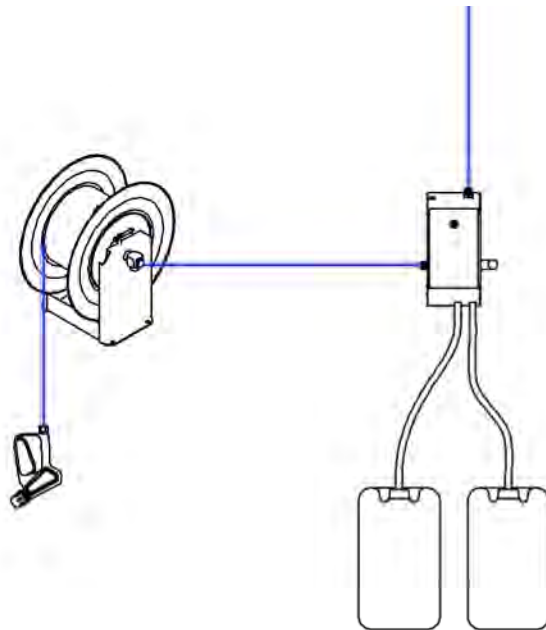


Before installing/placing decentral satellite:

Before installing the decentral satellite, we recommend keeping in mind where the suction lines are to be routed. Suction lines should not be routed in such a way they are able to trap pockets of air inside the pipe or hose. Air pockets will cause the injector to work insufficiently. Suction lines has a recommended maximum length of 1.5 meters.



Recommended installation is shown in the picture below. Cabinet placed close to the hose reel with a maximum distance of 25 meters. Directly placed underneath are two 25-liter chemical containers placed in our stainless-steel wall hangers.



For any questions or other specifications than recommended, please contact us at post@hlskjong.no or call us at +47 703 01 100.

Connections:

The 15mm male thread inlet is on top of the Decentral satellite cabinet. The outlet is a 3/8" male thread, located on the left side of the cabinet. To connect chemicals, unlock the cabinet by using the attached key and then remove the front panel. Each chemical is connected to one of the two nipples on the top or bottom of the injector (ST-164) found inside the cabinet using a 1/4" hose (inside diameter 9mm). The injector causes a pressure drop which then causes a vacuum to suck the chemicals to the injector from ex. a 25liter chemical container. The decentral satellite has the opportunity to connect 2 different chemicals.



Mixing ratio:

The mixing ratio varies according to the delivery rate of the high-pressure pump, pressure and viscosity of the chemical. Therefore, it is not possible to give any direct answer on mixing conditions. Accurate mixing ratios can be calculated only by using a measuring cup on the vacuum side. In this way you can compare how much chemicals are being sucked in one minute compared to what the high-pressure pump supplies at the same time.

Example:

A high-pressure washer uses 20liter water per minute. With the help of the measuring cup telling you how much chemicals get sucked up, you can tell that the injector has used 1 liter of chemicals in 1 minute.

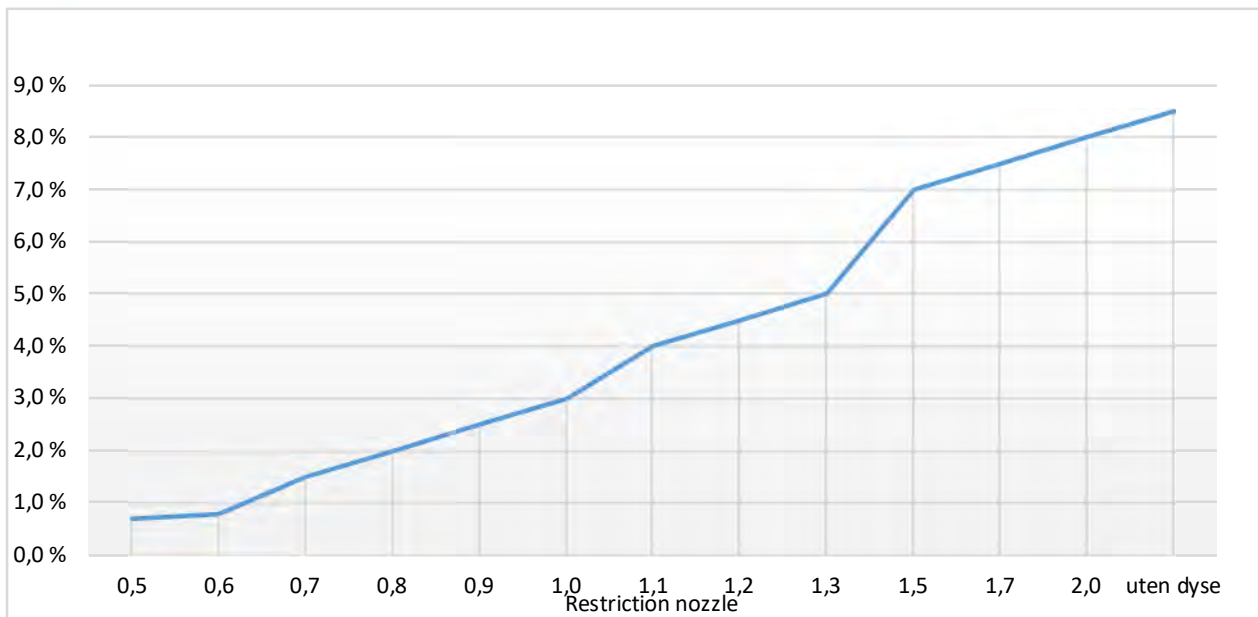
$$\frac{1l/m \times 100}{20l/m} = 5\%$$

Adjustment:

To adjust the mixing ratio of the injector, insert a restriction nozzle to the intake nipple/hose tail placed on the injector inside the cabinet. This nozzle must be placed in the hose-tail. The nozzles are available in 10 different sizes from 0.5mm to 2mm.

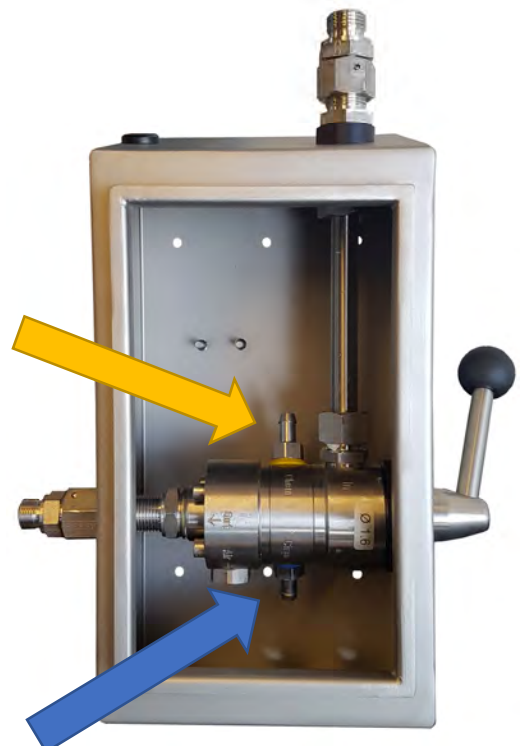


Nozzle in injector: $\varnothing 1,6$
Foam nozzle: $\varnothing 1,9$
Flow and pressure: 15l/min 150bar



Suction hoses:

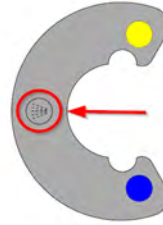
Attach the included suction hoses with filter to the injector. Pass the blue hose through one of the openings underneath the cabinet. Place one of the included hose clamps over the hose before attaching the blue hose to the hose-tail with a blue ring. Use the same procedure for the yellow hose.



How to use the decentral satellite:

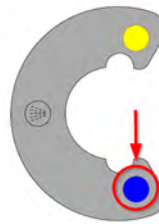
Water:

The decentral satellite uses a lever on the right side of the cabinet to change between the different operations. With the lever pointing towards the user, the injector inside is set to bypass/spray function. This requires the use of a lance with a spray nozzle.



Chemical 1 (Soap/foam):

With the lever pointing downwards, the injector inside the cabinet is set to chemical 1. In this instance chemical 1 is soap/foam. This requires the use of a lance with a foam nozzle.



Chemical 2 (disinfection):

With the lever pointing upwards, the injector inside the cabinet is set to chemical 2. In this instance chemical 2 is disinfection. This requires the use of a lance with a disinfection nozzle.

