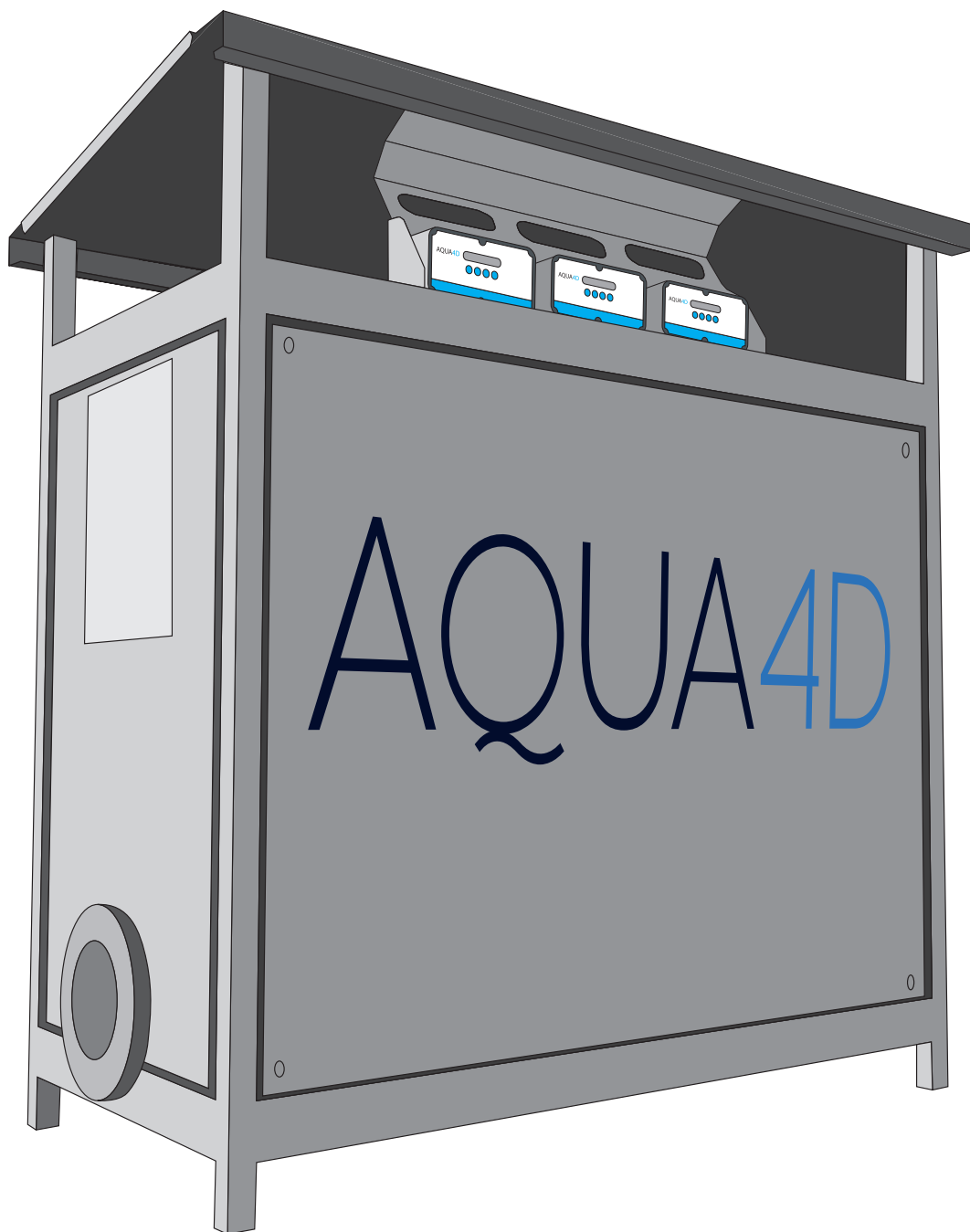


F-A Pro Skid

User Manual v3.0



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1. Introduction

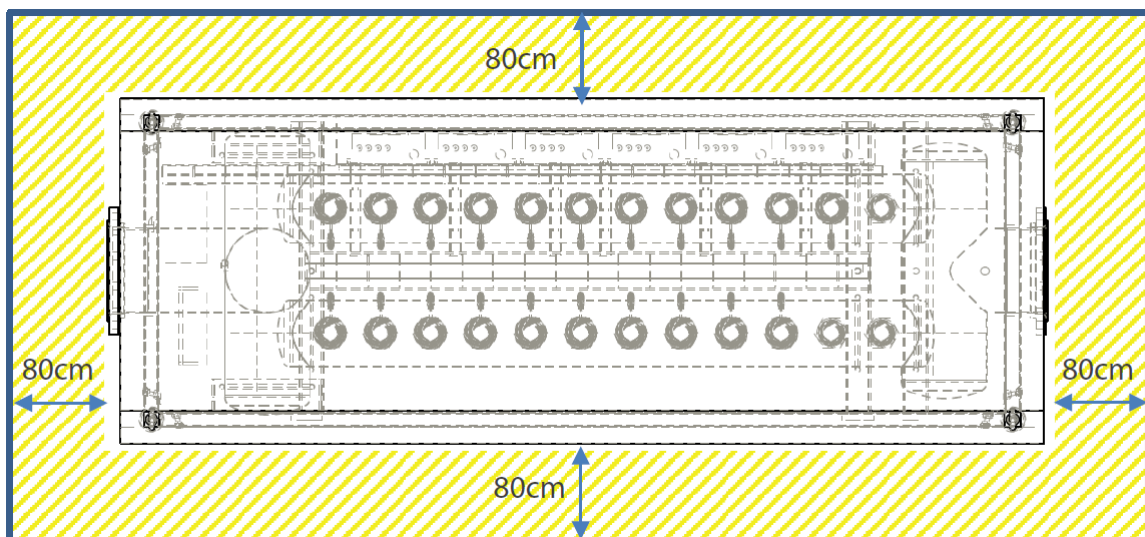
Thank you for buying an *AQUA4D® Skid*, by following the instructions of this document, you will be able to put it in service in the correct way thus ensuring an optimal efficiency of the system.



2. Installation

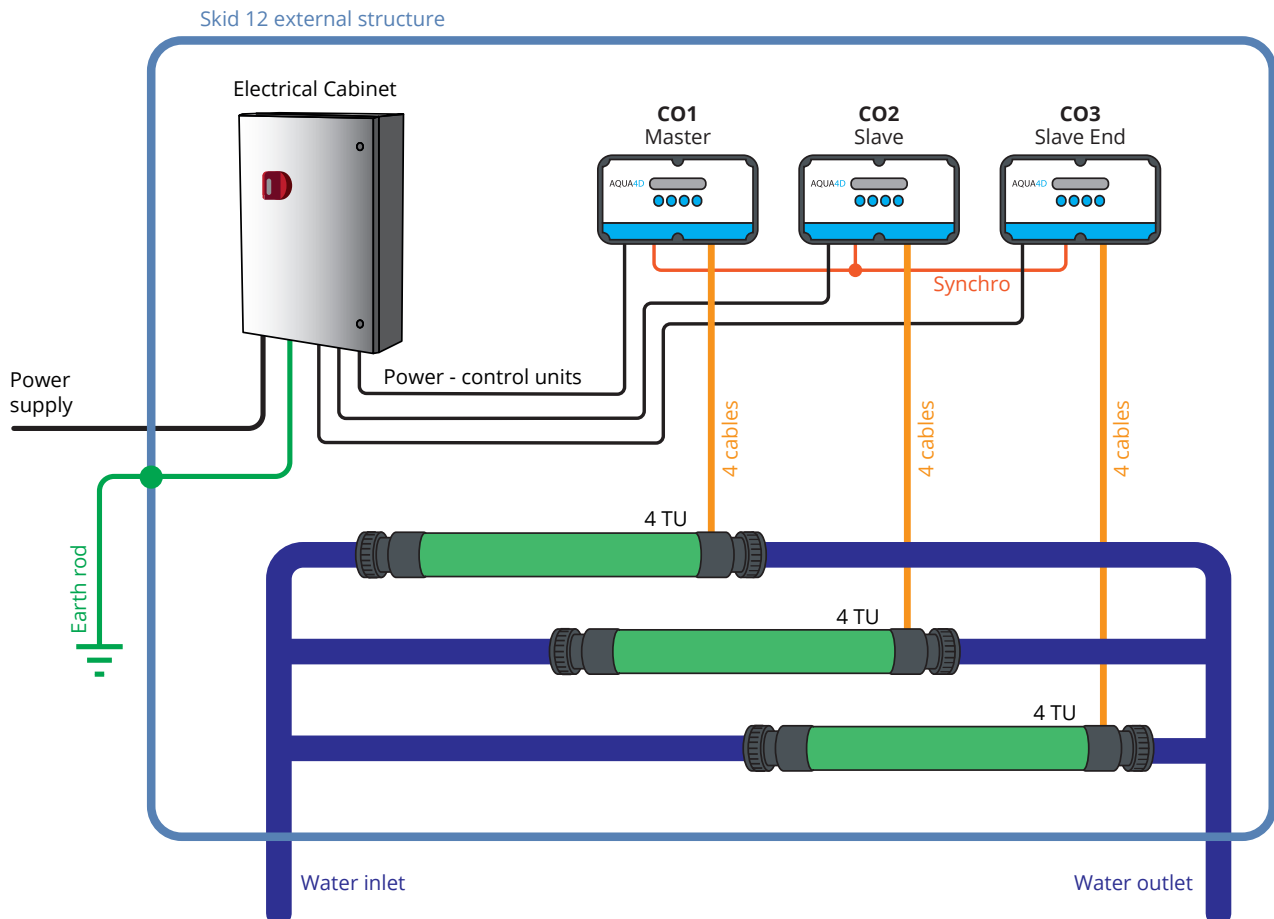
Installation advice

- A Skid can weight a few hundreds kilograms, depending on the version you have. It's important to place it on an adequate surface, a concrete slab is recommended.
- Leave some space around the Skid, at least 80 centimetres on each side. It will then be easier to intervene on the equipment if the need arises.



3. Schematic diagram

Working schematic of the Skid, here's an example for a Skid 12 TU (Treatment Unit).



4. Electrical grounding

The skid is equipped with an earth rod. It's important to plant it in the ground on all it's length with the help of a mallet or heavy hammer. This will ensure a maximal limitation of the external perturbation and optimize the water treatment.



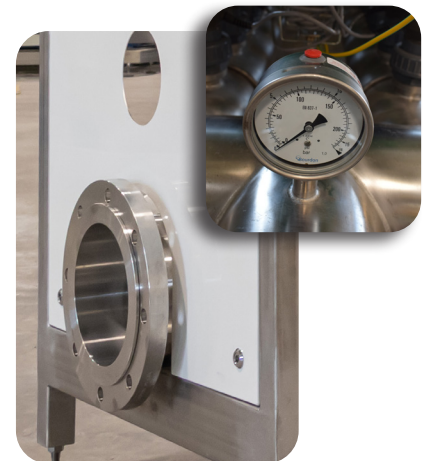
5. Water flow

Water flow inside the Skid



6. Hydraulic fitting

- Position the inlet and outlet pipes
- Prepare the flange with the provided material (screws, bolts, joints and washers)
- Connect and tighten the flanges
- Remove the red caps on the manifold and open the valves of the pipes linking the manifold and the main pipe
- Open the water flow and increase the pressure gradually
- Check that there is no leak in the system



7. Electrical setup

- The (*MAIN SWITCH*) on the front of the electrical cabinet must be OFF
- Remove the access panel (see previous page)
- Pass the main power cable through the available cable gland located on the bottom of the cabinet
- Connect the L+N+PE wires to the corresponding terminals
- Tighten the cable gland so that the cable does not move



8. Getting started

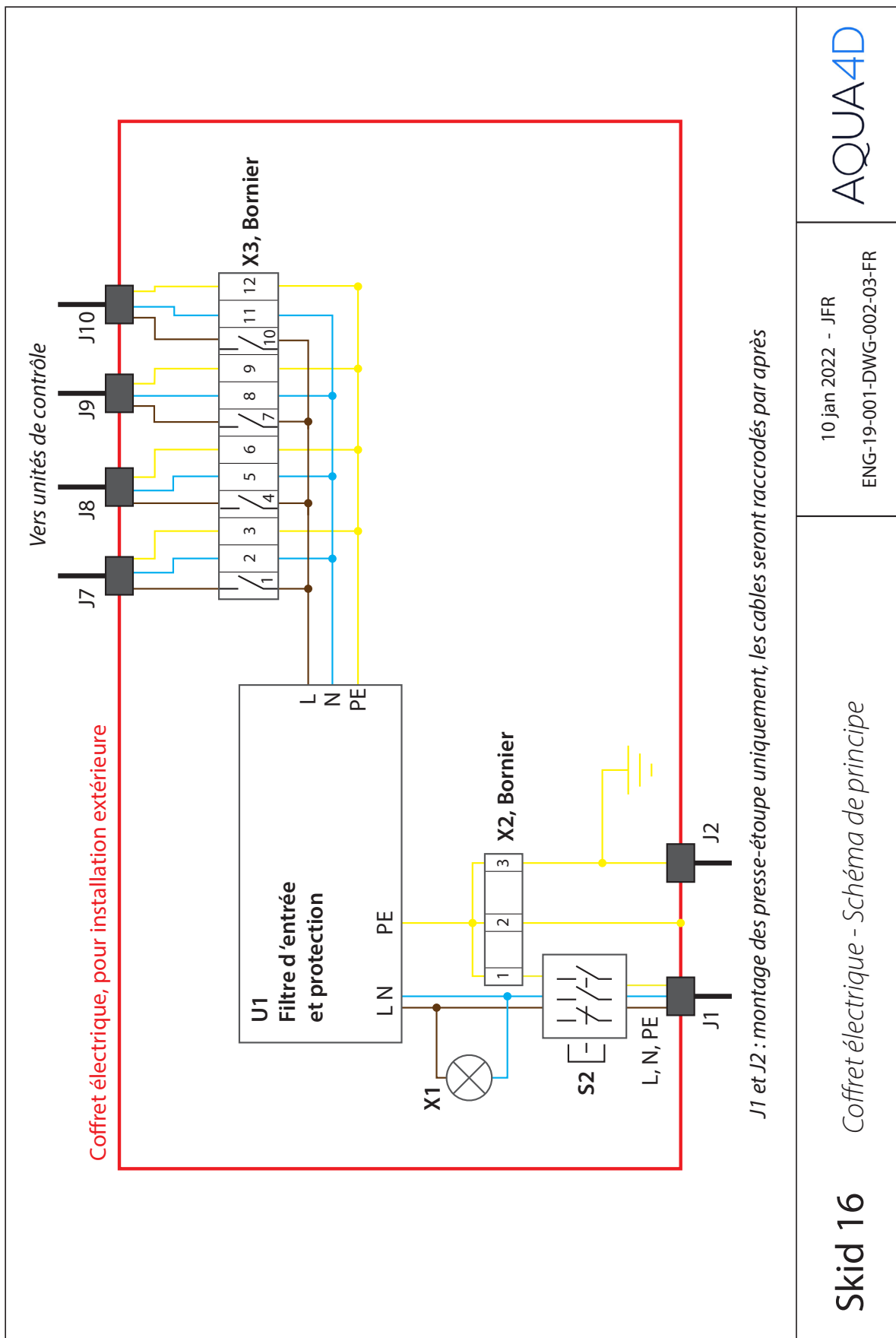
- Start the system by turning the [Main Switch] ON
- The [Main Supply] indicator should lit up.
- Verify that all the Control Units are on, without any alarm
- Put back the access panel and lock it.
- The system is now operational



Keep the skid powered and working 24/7 during the irrigation season



9. Schematic of the electrical cabinet



10. Troubleshooting

- **Water leak**

The skids are pressure tested before leaving our factory and certified as watertight. Although it is possible that temperature differences can cause an expansion of the materials or a problem could occur during the shipping process. If a leak appears on one of the TU, it is possible to try to tighten it but only by hand. The use of a tool could put too much mechanical stress on the TU and compromise their integrity.

- **The control units will not start**

Check that the power cable is correctly connected.

There are security fuses on the neutral (N) and phase (L) lines. Check that they are correctly engaged in their terminals. If the problem is not solved, use a multimeter to check that the fuses are still operational. A visual check might also reveal the issue.

Check that the switch of the line filter (black power strip) is in the reset position and is also lit.

- **One or more control units are in alarm**

If you hear an alarm blaring, check that all the cables located below the control units are correctly connected. It might be necessary to remove the front access panel to do this.

Try to restart the installation by using the Main Switch on the electrical cabinet.

The control units will display the alarm type on their screen. Every type of alarm is described in more details in the user manual of the control units.

- **Others**

If the problems described above cannot be solved or if other situations arise, please contact your distributor or the customer support of AQUA4D at the following address : *info@aqua4d.com*

AQUA4D

- by Planet Horizons Technologies SA -

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