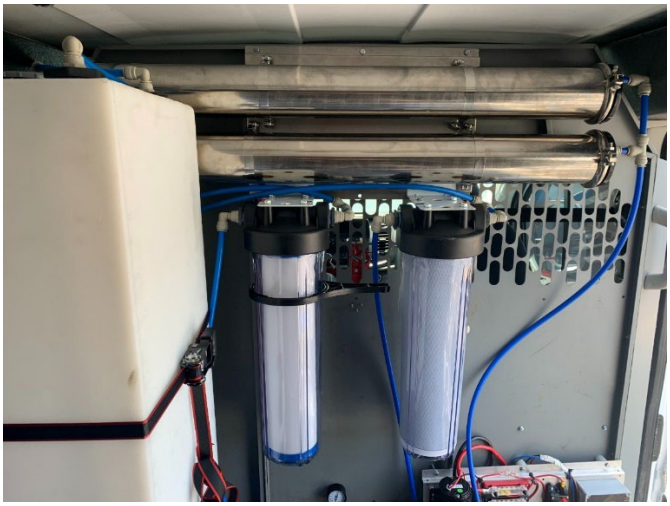
The Installation Add the plate to the IBC

Install the SS housings onto the plate

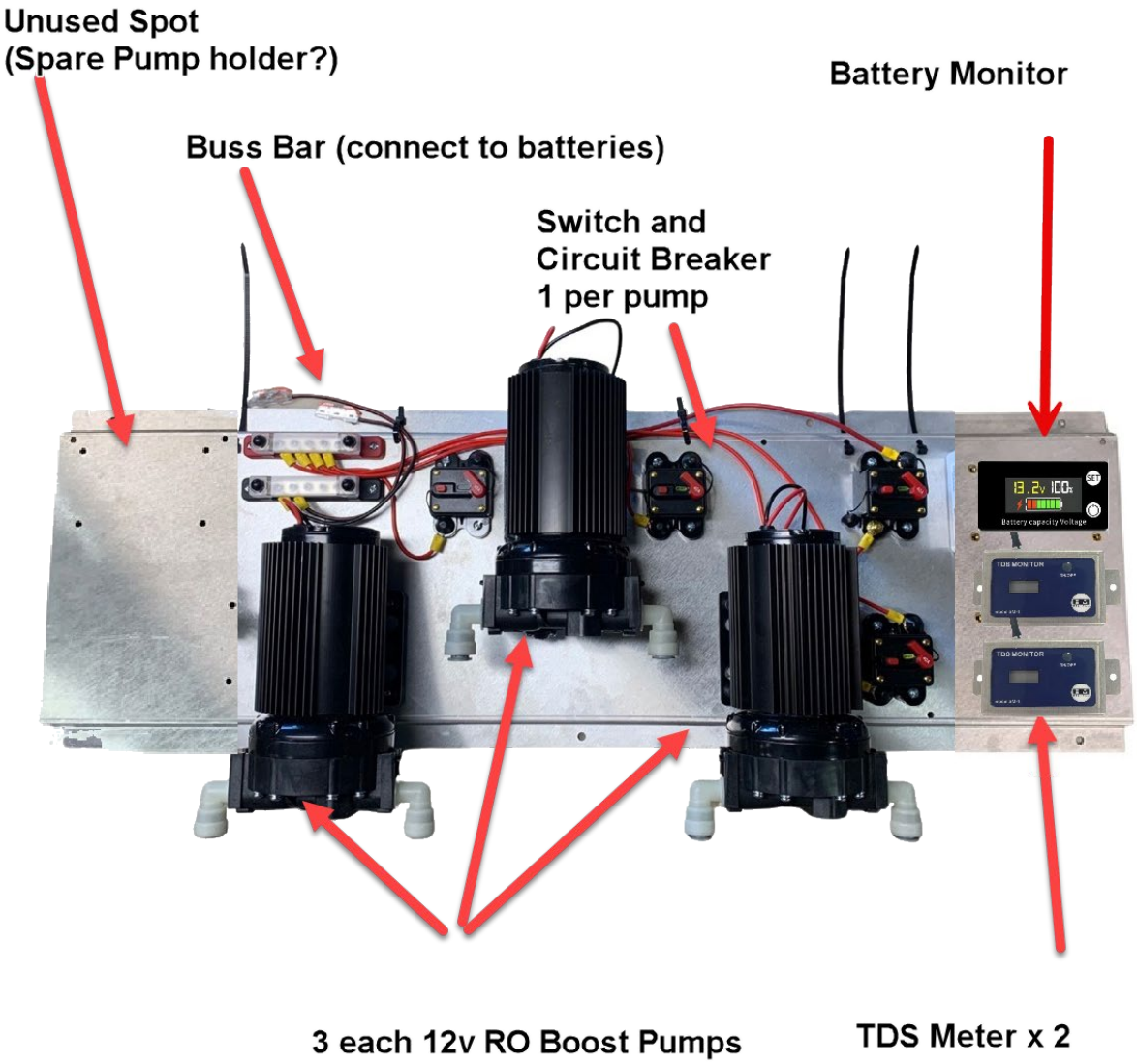
Install the Sump Style housings onto the plate

Rendering:

Similar Installation examples:



A Pump Plate Plate and Breaker Switches will be installed on another side of the IBC



This is installed on the IBC as Well

This should be installed to be accessible to turn on and off the pumps

by touching the breaker switches on the plate. If this is not possible then we

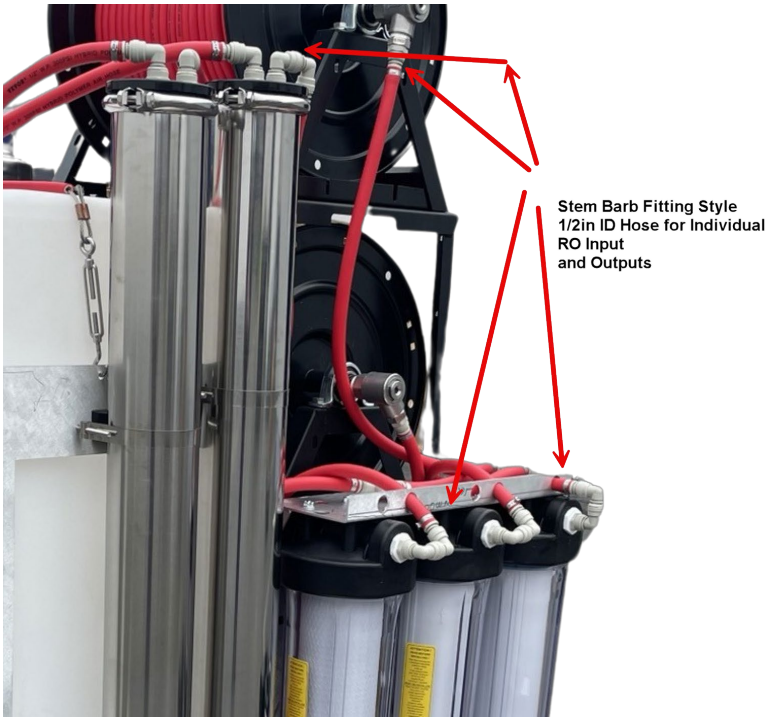
can run wire and a remote switch to some place on the trailer that is accessible ($100)

The plumbing options will need to be discussed, this is a bracket for water inlet

I included the plumbing for what I think is needed in the proposal to connect all this up on the IBC.

Red Hybrid 1/2in Line and Stem barbs into PushFit Quick Connect for easy maintenance.

Similar to this skid build



Combined Water Flows Inbound

Inlet to the carbon filter and then

Carbon to the 3 Way Splitter

Will be 3/4in Barb and ¾ ID Clear Braid

The RO Collector (3 into 1) will use the same 3/4in inlet line (or perhaps 1in Nipple)

to go through the DI Resin Housings and up to the Bulkhead Fitting

Intel Water Bracket

Then after the Carbon Filter

The water will be split to the three pumps

As I review this I am going to include in the proposal a couple more DI Resin Filters and housings.

for a total of Three (3) to gain longevity between Resin Changes.

We like to install one DI Resin Filter per operator;

This would be light one 20in Resin Filter vs our standard configs.

in this case we will run them in series into the tank

Here is a flow example for plumbing

This will be different as it only has a single pump

We will split from the 3 pumps for your installation.

But it is a nice illustration of plumbing

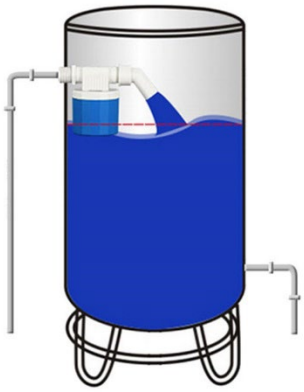
The Filter and Pump Side would look something like this:

Combine the ?RO Permeate after the RO Membranes

to go into the DI Resin Filter(s) run them in series one after the other.

Then on to a Bulkhead fitting on the top of the tank

Then a “Fill Full” DI Water (RO Permeate) top “Stop filling the tank” Valve



“Fill Full” Electrical control turn off the pumps

A float Switch per pump would be installed to turn off the Electric Pumps

A Relay would be wired between the float switch and run after the Breaker Switches

To conserve battery when tank is full.