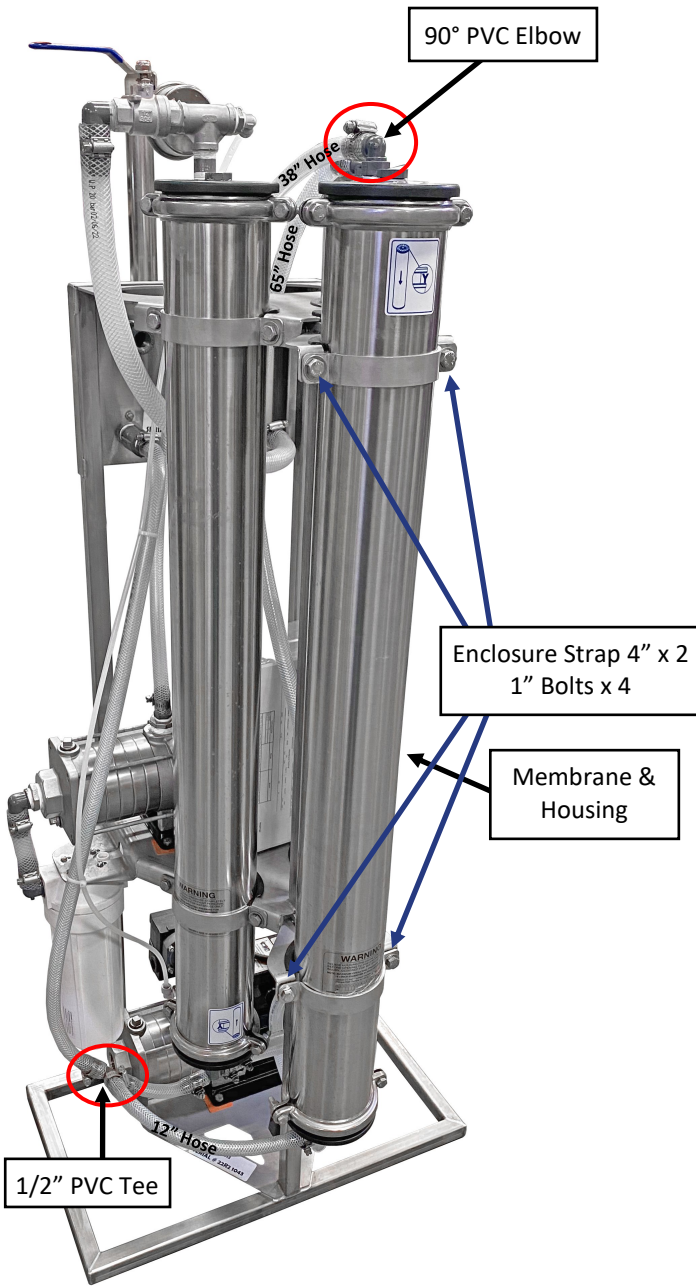


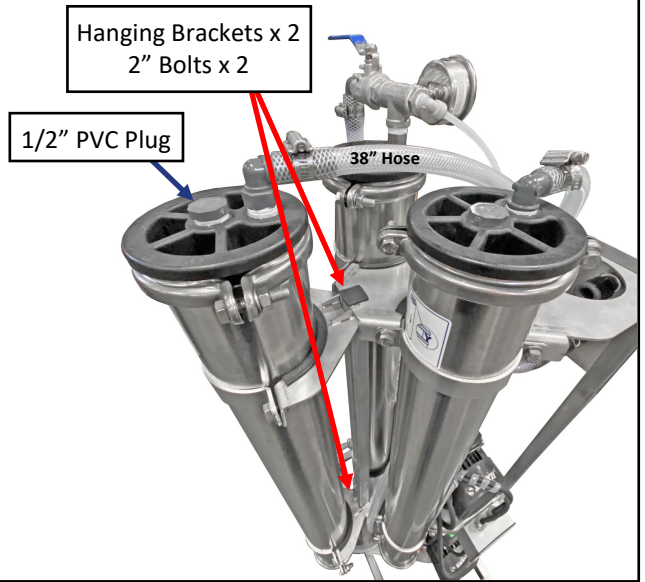
MicRO 2 to 3 Expansion Installation Guide



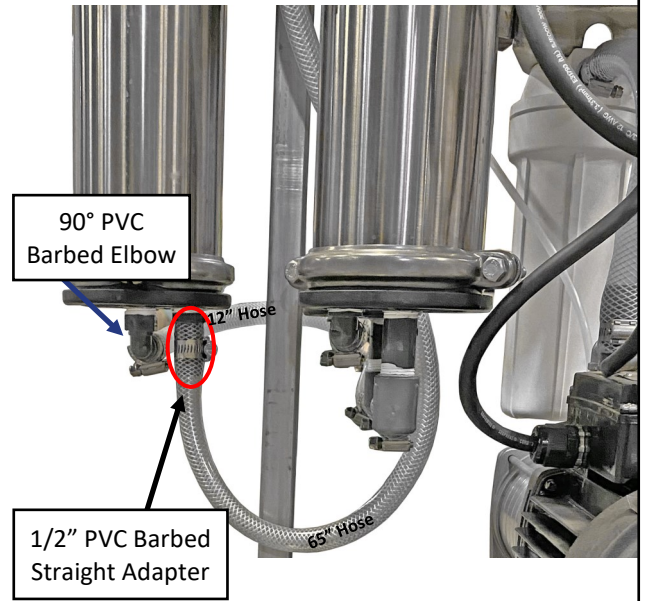
BACK VIEW















TOP VIEW

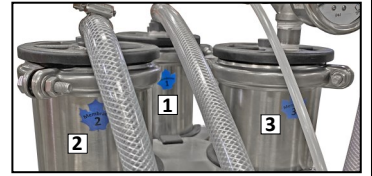


BOTTOM VIEW (UNDERNEATH)



<p>Membrane Housing and Membrane x 1</p>  <p>(#283 & #85063)</p>	<p>Band Clamp #08 x 6</p>  <p>(#60194)</p>	<p>90° PVC Barbed Elbow x 2</p>  <p>(#264)</p>	<p>1/2" PVC Barbed Straight Adapter x 1</p>  <p>(#47107)</p>	<p>1/2" PVC Tee x 1</p>  <p>(#47112)</p>	<p>1/2" PVC Plug x 1</p>  <p>(#85057)</p>
<p>Membrane Enclosure Strap 4" x 2</p>  <p>(#130026)</p>	<p>Hex Bolt 3/8" x 1" x 4 Hex Bolt 3/8" x 2" x 2</p>  <p>(#BOLT304-3/8x1 & 2)</p>	<p>Hex Nut 3/8" x 6</p>  <p>(#NUT304-3/8)</p>	<p>Flat Washer x 6</p>  <p>(#68236)</p>	<p>Lock Washer x 6</p>  <p>(#LWAS304-3/8)</p>	<p>1/2" Braided Hose: 12" length x 1 38" length x 1 65" length x 1</p>  <p>(#70297)</p>

STEP 1 Relabel the membranes as shown with the supplied stickers, (facing the front) the new membrane that was supplied with this expansion kit needs to be labeled "Membrane 1" and the other labels need to be applied so they match the photo (membrane 1 will become membrane 2 and membrane 2 will become membrane 3). The following steps will refer to the membranes in new orientation.



STEP 2



Facing the back of the MicRO 2, align the brackets on the membrane housing with the 1" box tubing (brackets will come preinstalled to the housing to ease assembly). Ensure the bracket is *below* the top frame (left image) with the brine seal sticker positioned to the top as shown (right image).

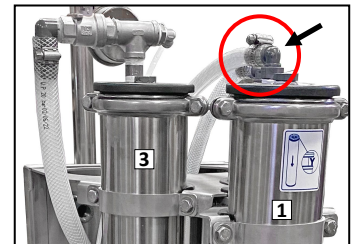
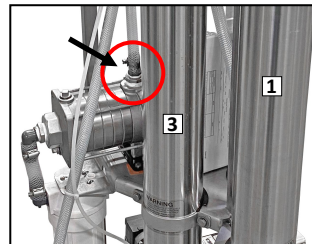


STEP 3

Slide the brackets so the bolt tabs fit around the box tubing of the RO frame and tighten with 2" bolts. The pressure vessel can be adjusted to the height of the other vessels by loosening the enclosure strap. When connecting hose in the next steps it is recommended to warm the hose to ease the installation.

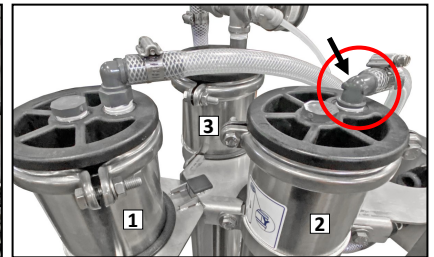
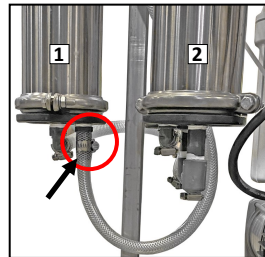
STEP 4

Remove the existing 1/2" hose connecting the top pressure pump to membrane 2. Use the supplied 1/2" hose (**38" length**) to connect the pressure pump to the 90° PVC barbed elbow on top of membrane 1 as shown.



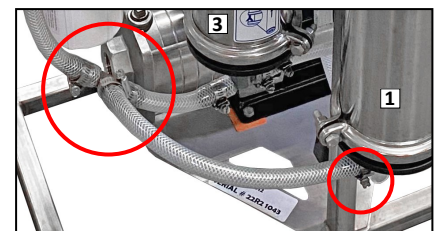
STEP 5

Connect the supplied 1/2" hose (**65" length**) to the 1/2" PVC barbed straight adapter on the bottom of membrane 1. Run the hose up through the frame and connect to the 90° PVC barbed elbow on top membrane 2.



STEP 6

Install the tee in the supplied 1/2" hose (**12" length**). Install the opposite end of the hose to the 90° PVC barbed elbow at the bottom of membrane 1. The tee needs to be installed in line with existing hose connected to the bottom of membrane 3. Hold the tee next to the existing hose to mark the cut location. Connect the spliced hose to opposite sides of the tee as shown.



STEP 7

If hose is warm, wait for it to cool and tighten all band clamps (6) on the end of all new hose connections. Machine is now ready to operate as normal. Soak new membrane if necessary.

