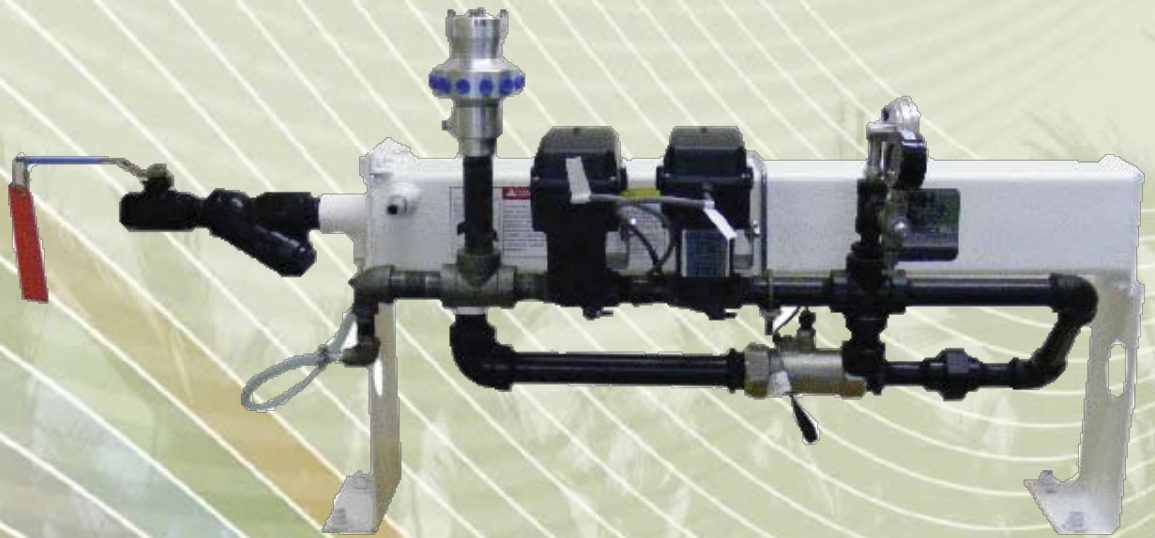


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# Assembly Instructions



**AccuFlow™**

## ***Disclaimer***

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**Important: Use RectorSeal™ or equivalent thread sealant on all pipe joints.**

1. Remove heat exchanger and brackets from box (Figure 1).



**Figure 1**

2. Install cooler brackets to heat exchanger using 3/8" bolts, lock washers and nuts (Figure 2).



**Figure 2**

3. Assembly the Y-strainer assembly to the inlet port of the heat exchanger (Figure 3).



**Figure 3**

4. Install the 1/4" hose barb to heat exchanger (Figure 4).



**Figure 4**

5. Install two 1/2" hose barbs to the sides of the exchanger (Figure 5).



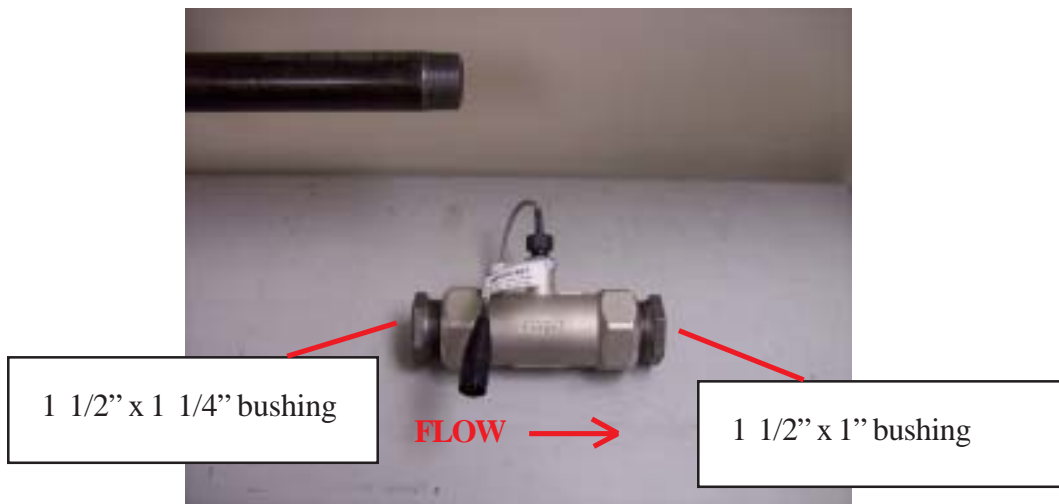
**Figure 5**

6. Thread the 1 1/4" x 2" long pipe nipple, the 1 1/4" elbow, and the 1 1/4" x 12" long pipe nipple into the outlet port of the heat exchanger (Figure 6).



**Figure 6**

7. Remove the flow meter from the box and thread the 1 1/2" x 1 1/4" reducing bushing into the inlet of the flow meter. Also, thread the 1 1/2" x 1" reducing bushing into the outlet of the flow meter (Figure 7).



**Figure 7**

8. Install the flow meter to the 1 1/4" pipe nipple (Figure 8).



**Figure 8**

9. Unscrew union assembly. Install half of the union assembly to the outlet side of the flow meter (Figure 9).



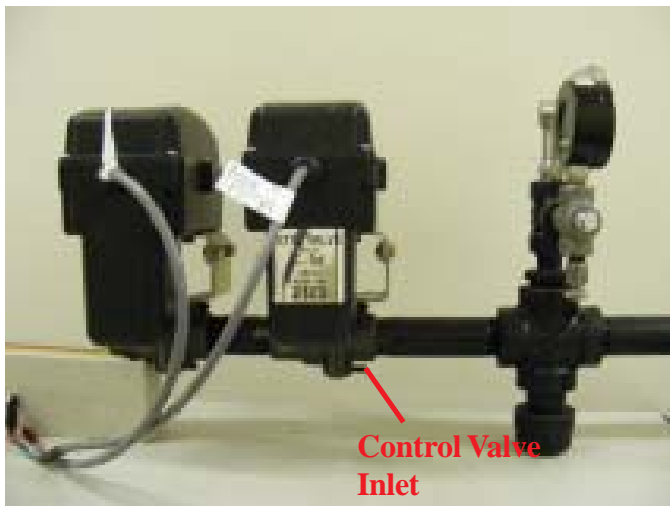
**Figure 9**

10. Next, remove the control valve and the on/off valve from their box. Install a 1" x 3" long pipe nipple between the outlet of the control valve and the inlet of the on/off valve. *Do not use the valve motor housing as a wrench.* Align the valves as shown in Figure 10.

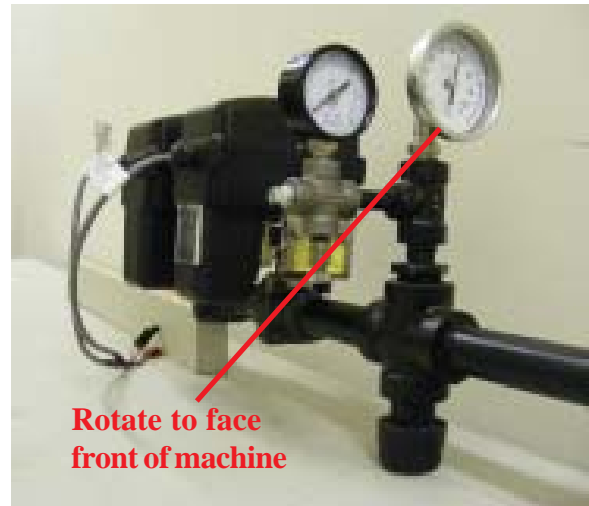


**Figure 10**

11. Install the gauge assembly to the inlet side of the control valve (Figure 11a). Orient the gauge assembly as shown in Figure 11b.



**Figure 11a**



**Figure 11b**

12. Remove the remaining assembled fittings from the box and install to the outlet side of the on/off valve (Figure 12).



**Figure 12**

13. Next, thread two 1" elbows and a 1" x 6" pipe nipple into the second half of the union. Make sure the elbows are oriented as shown in Figure 13.



**Figure 13**

14. Assemble fittings from step 13 onto the gauge assembly (Figure 14). The elbow should be angled at approximately 45 degrees and oriented as shown in Figure 15.



**Figure 14**



**Figure 15**

15. Attach the bracket to the heat exchanger with the u-bolt, two split lock washers, two flat washers, and two nuts (Figure 16). The bracket should be placed approximately 19" from the edge of the heat exchanger (Figure 17).



Figure 16

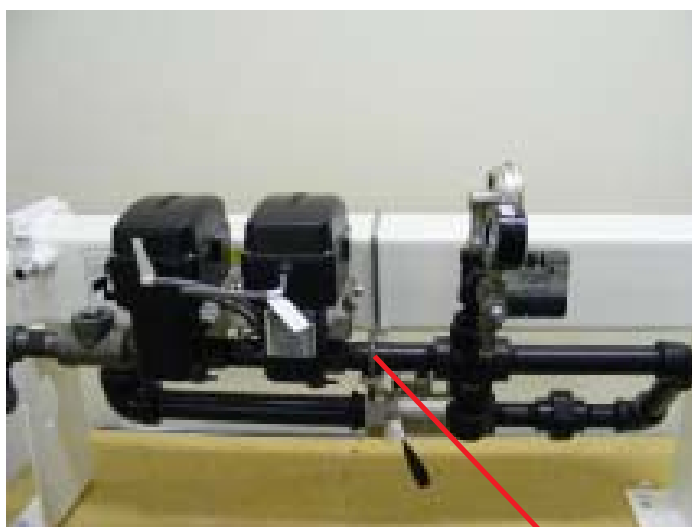


Figure 17

16. Verify that there is a white teflon gasket in the union from step 9 (Figure 18). Connect the valves and the gauge assembly to the heat exchanger using the muffler clamp provided along with split lock and flat washers (Figure 19). When this assembly is in position, tighten the union.



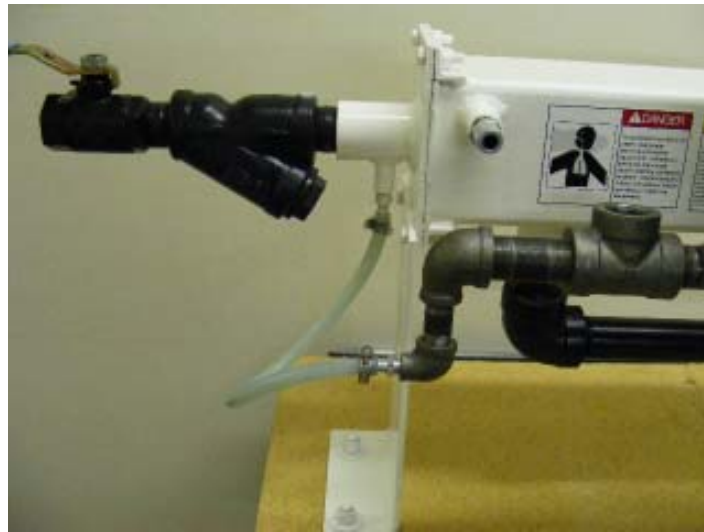
**Figure 18**



**Figure 19**

Muffler Clamp

17. Connect the 3/8" EVA hose from the one end of the valve to the heat exchanger and secure using smaller size hose clamps (Figure 20).



**Figure 20**

18. Assemble the flow divider system (not provided) to the 1" tee (Figure 21).



**Figure 21**

19. The system can now be mounted to the implement toolbar.
20. To complete the plumbing of the Accu-Flow system, weld the two steel vapor tubes provided to the two center applicator knives as shown in Figure 21.
21. Connect two 3/4" vapor hoses to the hose barbs in the sides of the heat exchanger. Connect the other end of the hoses to the steel vapor tubes.

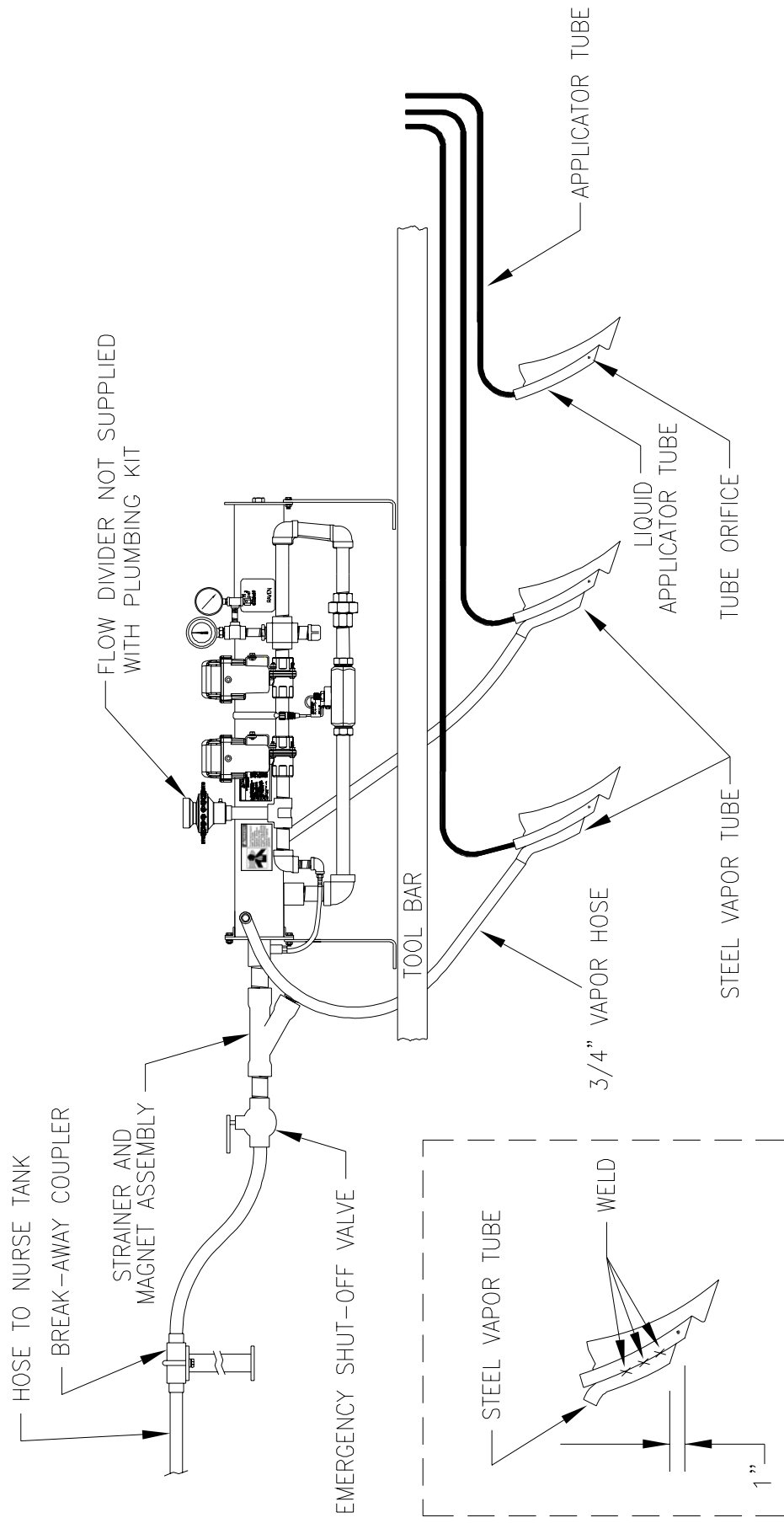


Figure 21



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# **RAVEN INDUSTRIES**

## **Limited Warranty**

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### ***What Does this Warranty Cover?***

This warranty covers all defects in workmanship or materials in your Raven Flow Control Product under normal use, maintenance, and service.

### ***How Long is the Coverage Period?***

Raven Flow Control Products are covered by this warranty for 12 months after the date of purchase. This warranty coverage applies only to the original owner and is non-transferrable.

### ***How Can I Get Service?***

Bring the defective part and proof of purchase to your Raven Dealer. If your Dealer agrees with the warranty claim, the Dealer will send the part and proof of purchase to their distributor or to Raven Industries for final approval.

### ***What Will Raven Industries Do?***

Upon confirmation of the warranty claim, Raven Industries will, at our discretion, repair or replace the defective part and pay for return freight.

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Raven Industries will not assume any expense or liability for repairs made outside our facilities without written consent. Raven Industries is not responsible for damage to any associated equipment or products and will not be liable for loss of profit or other special damages. The obligation of this warranty is in lieu of all other warranties, expressed or implied, and no person or organization is authorized to assume any liability for Raven Industries.

Damages caused by normal wear and tear, misuse, abuse, neglect, accident, or improper installation and maintenance are not covered by this warranty

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Assembly Instructions  
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