

# HAG-3 Horizontal Air Gap Assembly Installation Instructions

## Parts Included With The HAG Horizontal Air Gap Assembly



***Before Installing the HAG Horizontal Air Gap Assembly, remove the Flow Control located on the Inlet end.***

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# **HAG-3 Horizontal Air Gap Assembly Installation Instructions**

**\* Install after Big Dipper is in place. Remove Flow Control on Big Dipper Unit.**

- 1) Remove the tailpiece on each drain stem under the sink bowls.
- 2) Install a Flow Control on each drain stem. (Three flow controls provided)
- 3) Use the Flow Control Clamps to tighten the flow control to the stem.
- 4) Gather (2) No Hub connectors and PVC sweep. One No Hub provided with the HAG-3, the other is provided with the Big Dipper Unit.



**Figure 1**



**Figure 2**



**Figure 3**



**Figure 4**

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6) Install No Hub connectors on both sides of sweep, ensure No Hub connectors are secure.

7) Install PVC Sweep to HAG Assembly. The Sweep should fall away from the HAG Assembly and should be placed in-line with the outlet.

8) Place Trough on position under sink. Measure from Big Dipper to 8" past last drain stem. Note for reference. This is the total length the HAG needs to be for proper installation.



*Figure 6*



*Figure 7*



*Figure 8*

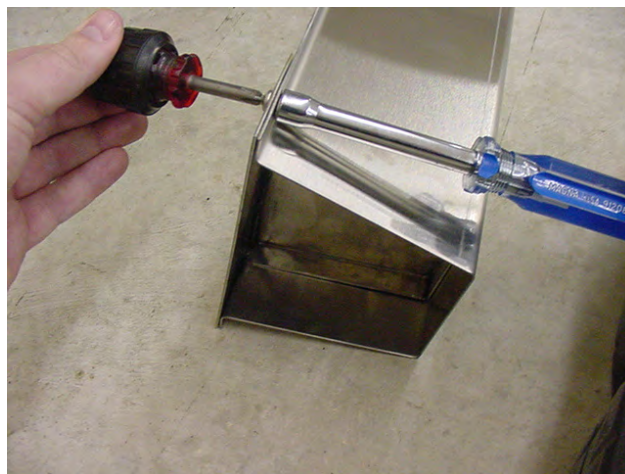
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- 9) Using a saw, cut Trough to specified length.
- 10) Bolt the End Piece to the HAG Assembly.
- 11) Seal the End Piece with Silicone provided.
- 12) Slip outlet end of the Sweep and No-Hub onto the Inlet of the Big Dipper.



**Figure 9**



**Figure 10**



**Figure 11**



**Figure 12**

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13) Hold the HAG Assembly in the air and ensure the bottom part of the trough is 13 1/4" to prevent stale water from sitting in trough.

14) Remove the Trough.

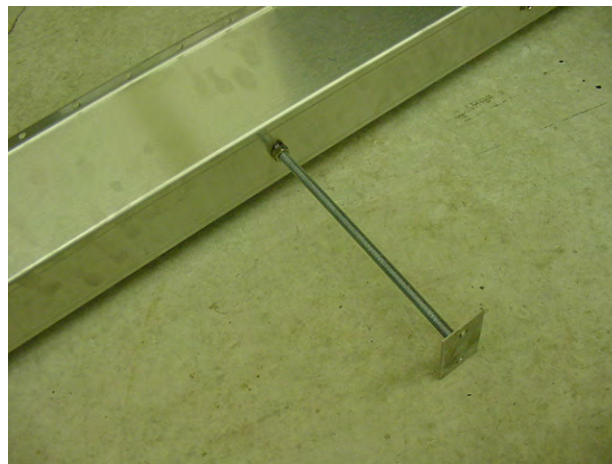
15) Use the measurement taken in Step 9 as the length of the first Support Leg. This should be 13 1/4" (13.25") Cut one leg/threaded rod to this length.



**Figure 13**



**Figure 14**



**Figure 15**

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16) Install the support foot onto the rod and then install the support leg to the furthest drain stem of the HAG assembly.

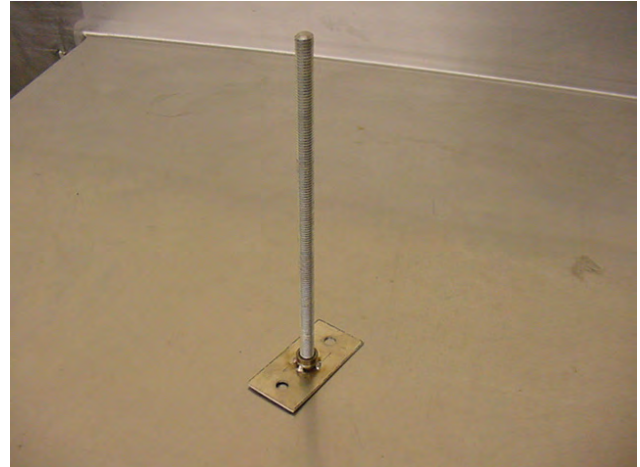
17) Install the outlet drain trough into the Big Dipper unit. The Trough will now be able to stand. Measure the distance from the leg nut nearest to the Big Dipper unit, allowing 1/8" for the Support Foot.

18) Cut the Rod to the desired length. Install the Support Stand onto the Rod. Insert the Support Leg into the nut nearest to the Big Dipper unit.

19) Measure the distance from the wall to the center of the Trough. This measurement will be used to cut the Wall Bracket.



*Figure 16*



*Figure 17*



*Figure 18*

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16) Cut the Wall Mount Bracket (cut the narrow end) to the measured length from the wall. (Figure 15)

17) Bolt the wall mount bracket to the HAG Trough. (Figure 16) Bolt the Wall Mount Bracket to the wall. (Figure 17)



*Figure 15*



*Figure 16*



*Figure 17*



*Figure 18*

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## HAG-3 Horizontal Air Gap Assembly Installation Instructions

*This is what the Big Dipper® HAG Horizontal Air Gap Assembly looks like once installation is complete.*



**A HAG-2 Horizontal Air Gap Assembly coupled to a Big Dipper® W-200-IS Point Source Automatic Grease Removal System. Optional HAG-BA-1 Solids Strainer Baskets are shown in this picture.**

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