



WEIR BOX INSTALLATION INSTRUCTIONS

1. Install products in accordance with the engineer's instructions, plans, blueprints, etc.
2. Do not use cables or chains to unload larger weir boxes. Unload weir boxes with fabric slings in conjunction with a spreader bar.

ABOVE GROUND INSTALLATION

3. If used, verify that the concrete pad is free of debris, true to plane, and of the correct dimensions to receive the structure. Correct all deficiencies before proceeding.
4. Connect the flexible PVC boots to the inlet and outlet weir box pipe stubs (if pipe stubs are provided).
5. Move the weir box into place.
6. The notched weir plate end should be set downstream and the structure should be level from inlet to outlet and from side to side. It is vital to the proper operation of the weir box that that the weir plate be vertically plumb.
7. Connect the flexible PVC boots to the existing inlet and outlet pipe (if pipe stubs are provided).
8. With the flexible boots attached and the weir box in place, drill through anchor clip holes and into the concrete pad to the depth and diameter required by the anchor bolt manufacturer.
9. Stainless steel wedge style concrete anchors [1/2 inch diameter x 4-1/2 inch long – (minimum)] are recommended. TRACOM does not recommend the use of pre-set anchor bolts. Anchor bolts are to be supplied by others.
10. Verify that the weir plate is horizontal and that the flexible boots are secure.

BELOW GROUND INSTALLATION (USING A CONCRETE PAD)

11. If used, verify that the concrete pad is free of debris, true to plane, of the correct dimensions to receive the structure, and properly sized to ensure flotation does not occur. Correct all deficiencies before proceeding.
12. Connect the flexible PVC boots to the inlet and outlet weir box pipe stubs (if pipe stubs are provided).
13. Move the weir box into place.
14. The notched weir plate end should be set downstream and the structure should be level from inlet to outlet and from side to side. It is vital to the proper operation of the weir box that that the weir plate be vertically plumb.
15. Connect the flexible PVC boots to the existing inlet and outlet pipe (if pipe stubs are provided).
16. With the flexible boots attached and the weir box in place, drill through anchor clip holes and into the concrete pad to the depth and diameter required by the anchor bolt manufacturer.



17. Stainless steel wedge style concrete anchors [1/2 inch diameter x 4-1/2 inch long – (minimum)] are recommended. TRACOM does not recommend the use of pre-set anchor bolts. Anchor bolts are to be supplied by others.
18. Verify that the weir plate is horizontal and that the flexible boots are secure.
19. Brace the weir box internally to ensure that the sidewalls and floor do not distort during backfill. The interior should be lined with plywood and should be braced with 2 x 4s.

***FAILURE TO BRACE THE WEIR BOX PROPERLY MAY RESULT IN DISTORTION
OF THE FLOOR OR SIDEWALLS***

20. The weir box should be secured from flotation.
21. Concrete or backfill the weir box into place.

Concrete

- a. Sandbags may be placed inside the weir box to prevent it from floating in wet concrete.
- b. The floor of the weir box should be grouted into place first, with grout extending no more than 2 inches up the sidewalls of the weir box. Care should be taken to ensure that no voids remain under the floor of the weir box.
- c. After the first pour has set, additional lifts may be poured. Lifts of no more than 6 inches should be poured at a time. Each lift should be allowed to set before proceeding to pour the next lift.

***THE USE OF A VIBRATOR SHOULD BE MINIMIZED, AS EXCESSIVE USE MAY BULGE OR
DISTORT THE WEIR BOX SIDEWALLS AND BOTTOM.***

Backfill

- d. If backfill material are used they must be placed evenly around the weir box in maximum lifts of 12 inches and should extend a minimum of 24 inches.
- e. A gravel material naturally round, 1/4-3/8 inch in size, is best for backfill material since it compacts easily. Pea gravel is the recommended backfill material.
- f. If materials other than pea gravel are to be used for backfill, large soil lumps, rock, concrete, etc. over 1 inch in size must be removed.

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By: Matt Kazmier