

TR-254 Passive Skimmer and optional TR-255 4 inch Extension Canister Assembly and Installation Instructions.

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The TR-254 4 inch passive skimmer combines the standard skimmer TR-517 with a translucent product storage canister that is attached with quick connect fittings to the bottom of the TR-517 skimmer. The TR-254 also includes a 4 inch well cap, 50 feet of 3/16 in nylon suspension rope and associated hardware.

Assembly

Tools required:

1. 8 in adjustable wrench
2. 1/4 in allen (hex) wrench
3. 10 in pipe wrench
4. Teflon sealing tape



Contents of kit:

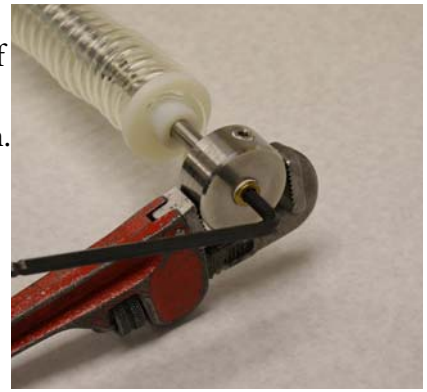


The canister kit contains the following items:

1. Translucent canister with threaded plugs on each end. The upper threaded plug has a male quick connect fitting attached and a short 1/4 inch brass threaded nipple secures the stainless steel weight that is required to submerge the empty canister. The bottom threaded plug has a valve that is useful to drain the recovered product from the canister.
2. 3/16 in Nylon support rope (30 ft).
3. Upper Rod Skimmer Lift Ring.
4. Female quick connect fitting.
5. 4 inch suspension cap.

Assembly

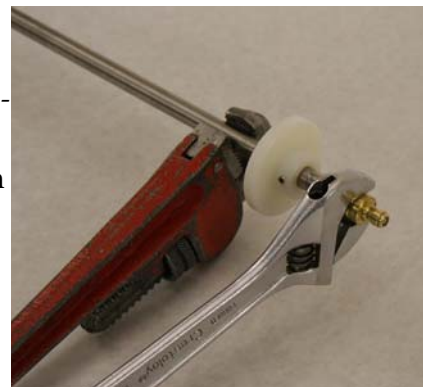
1. Remove the 1/4 inch hex pipe plug from the bottom of the TR-517 standard skimmer using the tools as shown.



2. Use Teflon sealing tape on the threads of the female quick connect and tighten into thread hole as shown.



3. Remove the 1/8 inch male quick connect from the top of the TR-517 standard skimmer as shown. (Note: Save the bottom plug and 1/8 inch male quick connect for possible future use with the active FAP + ZW skimming system).



4. Install the upper rod skimmer lift ring.



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5. The photo to the right shows the skimmer correctly attached to the canister using the quick connects provided.



6. TR-255 4 inch extension canister kit contains a 4 in translucent canister extension, an additional stainless steel weight, (required to sink the two connected empty canisters) and brass nipple (1/4 in NPT x 5 in in length (required to secure both weights together).



7. When using the optional TR-255 4 inch extension canister, the brass nipple that is in the first canister must be removed.



8. The longer 5 in nipple must be installed with the additional stainless steel weight as shown in the photo on the right. Teflon sealing tape must be used on the pipe nipple threads in order to provide a water-tight seal.



Note, both weights are required to submerge the combined canisters.

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9. To complete the assembly of the TR-255 extension canister, remove the bottom plug from the upper canister and thread it into the extension canister. Then thread the two canisters fully together taking care not to damage the supplied o-rings.



Installation

1. Remove as much product from the well as possible using a bailer.
2. Let the water table stabilize, then measure the distance from the top of the casing to the water table or the product water interface.
3. In most installations, the skimmer is positioned in the well so that the top of the white density float is floating at the middle of its travel on the rod skimmer. This is approximately 20 inches down from the top of the rod skimmer lift ring.
4. After measuring the required 3/16 inch nylon rope, secure one end of the rope to the skimmer and canister assembly and the other to the suspension cap.
5. Slowly lower the skimming assembly into the well and fit the cap onto the top of the well casing.