

Blue concentrating Bowl Instructions

A few minutes spent reading these instructions will save you time and produce amazing results.

Before getting started, you will need to wash the interior surfaces with a mild detergent to remove any oils. **DO NOT SCRUB THE BOWL WITH ABRASIVE.** Repeat periodically to ensure the bowl surfaces are clean and oil free. Using a self-contained method is the most efficient and recommended way for processing your prescreened concentrates. First, prescreen your concentrates through a 30-mesh classifier screen. You will want to screen them into a pail with water until you are ready to run them through the blue bowl. Keep your concentrates wet and have an emergent in the water such as a little jet dry, about a cap full is all you need. This makes your water wetter and helps break the surface tension, and keeps your fine gold from running over the top of the cone. This product is available at most local grocery stores.

A 12-volt submersible pump is an ideal low-pressure water supply for the unit. This pump is available through most dealers. The 750-gallon per hour pre-plumbed pump works the best on this unit. The Bowl requires less than three gallons of water per minute.

The unit should be level so that the water is even with the top outer rim of the bowl.

The blue bowl comes equipped with folding legs that open out to set on top of your bucket. ***Optional Leg Levelers and Clips*** for leveling the unit are available and recommended to insure maximum recovery. Next and very important prescreen concentrates through at **least a 30- mesh screen** before adding them to the bowl. With the water control valve closed and in the off position you can add about a coffee cup to a cup and a half at a time. After you have placed your concentrates in the blue bowl, open the water control valve attached to the bowl bringing the water level to the top of the outer rim of the bowl, adjust the flow to **prevent it from over flowing** into your 18-gallon tub. If there is anything other than gold in your bowl after running your concentrates, it can be one of two things. One, you may not be using the right size screen (# 30). Two, you may need to stop the water flow in the bowl and use a bulb blaster to blow the concentrates back out to the outer edges of the bowl and separate them from the gold and then begin running your materials as directed above. For recovery of micro-fines, use a 50 or 100-mesh classifier screen. You may run about a 3 to 4 tablespoon with a 50 mesh, and **one tablespoon** at a time with a 100 mesh concentrates. Start with a slow and low water level. Increase water level slowly until waste starts to discharge over the **center cone**. Adjust the control valve to maintain a constant water level. The higher number screen process you are using the lower and slower you will need to run the water level in the bowl. **Keep water flow 1/4" from the top outer rim of the bowl when using 50 mesh pre-screened material; 1/2" from the outer rim using 100 mesh.**

Blue Bowl Setup Instructions

Place the Bowl on top of a standard 3 1/2 -gallon bucket, Attach the hose fitting from the pump to the Blue Bowl then level the bowl by using the Leg Levelers and Clips if you have them. Place the pump in between the tub and bucket. Avoid getting trash in your pump by **keeping the pump out of your 3 1/2 -gallon bucket.**

Once the Bowl is level, adjust water flow with the ball valve. Adjust the water flow so that the water is running at the top of the **outer** rim of the blue bowl but **not over flowing**. An even swirl pattern around center cone is desired. **Keep the water inside the bowl** and this will allow the vortex to maintain its strength and remove the black sands from your bowl.

Note: If there is a small amount of minus 30 garnets, black sand or other foreign matter that won't leave the bowl shut the unit down. When the water has stopped and the level has dropped use a bulb snuffer to blow the material back to the outer sides of the bowl and then restart your unit. By doing this any material that might have been trapped by gold will now have a chance to be carried out by the vortex.

Only use wet concentrates when running the Blue Bowl. Using the re-circulating system you will need these items ;

1-bucket, 1 tub with about a 18 gallon capacity,

1- 750 GPM pump, a wetting agent such as Jet dry or any automatic dishwashing *rinse aid*. This is highly recommended to enhance fine gold recovery. Fill your 3 ½ -gallon bucket and have the water level in the **18-gallon tub** at the outer lower rim of the 3 ½ -gallon bucket, (about 1 inch from the top). When removing gold from the Bowl, shut the water valve to the off position and suck the material out with a suction device such as a sniffer bottle. Complete Blue Bowl kits and parts are available through your local dealer.

Hand panning concentrates is difficult and tedious. When you have operated the blue bowl properly, it will recover Gold as fine as talcum powder. The more you use the blue bowl the more comfortable you will become with the process.

Below is a list of items make the process more successful?

- Blue concentrate Bowl
- Leg levelers
- Clips for Leg Levelers
- 12 volt 750 G P H pump
- 30, 50, and 100 mesh sieve
- 18 gallon plastic tub
- 3 ½ -gallon plastic bucket
- sniffer bottle
- Jet Dry

