

Point Source Bailer Instructions

Model 429 1.5", 1" & 0.5" diameter

Sampling

- 1. Attach enough support cable to the top of the bailer to allow lowering to the maximum depth required. (Use stainless steel cable or Teflon® coated stainless steel cable). Make sure that the cable connection is secure.
- 2. Slowly lower bailer on the support cable to the desired sampling depth.
- 3. Raise the bailer to the surface using an steady rate of retrieval.

Note: When storing the point source bailer for a long period of time, lubricate all o-rings. However do not lubricate the Bottom Check Valve O-rings prior to use.

Sample Retrieval

- 1. Hold the Point Source Bailer vertical and insert the Sample Retrieval Device into the bottom of the bailer, to displace the Lower Check Ball.
- 2. Direct the outlet of the Sample Retrieval Device into the sample container.
- 3. Push the trigger on the Top Check Ball in any direction to allow the sample to drain from the bailer.

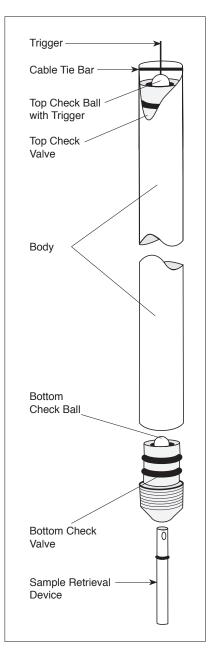
Note: Adjusting the amount of movement on the Trigger allows sample flow from the bailer to be regulated.

Cleaning the Bailer

- 1. Disassemble bailer, as described overleaf.
- 2. Clean all components with a non-phosphate soap followed by a deionized water rinse.

Note: Further cleaning of all components except the o-rings can be achieved by using hexane or similar solvent followed by 2 or 3 rinses with deionized water. Strong cleaning solutions may damage the o-rings.

3. Re-assemble bailer, as described overleaf.



Bailer Disassembly

- 1. Holding the bailer upside down, remove Bottom Check Valve by twisting and pulling. If very tight, use vise grips over a cloth to avoid damage.
- 2. Remove the Bottom Check Ball by turning the bailer right side up, allowing the ball to roll out.
- 3. Use 2' long wooden dowel to push the Top Check Valve out through the top of the bailer.
- 4. Remove o-rings from Top and Bottom Check Valves

Re-Assembly

1. Replace any damaged o-rings on both Top and Bottom check valves.

Note: Do not lubricate the Bottom Check Valve O-rings prior to use.

- 2. Push Top Check Ball with Trigger into the bailer with the trigger toward the top.
- 3. Use the insertion tool or dowel to push the Top Check Valve into the bailer so that the trigger extends about 1/2" above the top of the bailer body.
- 4. Insert the Bottom Check Ball into the bailer.
- 5. Push the Bottom Check Valve firmly onto the bailer.

Note: Do not use bailer until Bottom Check Valve is properly locked in place.



