



GOLDROP
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**SLUICE GOOSE
GOLDROP**

USERS MANUAL

DESIGNED AND MANUFACTURED
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GETTING STARTED

Congratulations! You have just purchased the finest and most efficient gold processing equipment available. You will get the best performance from the Goldrop by reading this manual carefully before using the Goldrop – Thank You for selecting our product.

HOW THE GOLDROP WORKS

The Goldrop is a gold processing device that separates gold from pay dirt with very high efficiency. When the Goldrop is set up properly according to the instructions in the Set Up section of this manual you can add pay dirt that has been classified to 1/8 minus or finer to the funnel at the top of the unit and watch gold drop into the plastic jar at the bottom of the unit. All of the tailings (dirt that the gold has been removed from) will exit out the tailings tube near the top rear of the Goldrop.

CAUTION / WARNING

This is NOT A TOY and should not be use by children without adult supervision.

Follow all instructions for set up and operation. Do not skip steps. Check to be sure the equipment is in good working order prior to use.

Follow all safety cautions and warnings that came with the battery used with the unit.

FOR MORE INFORMATION OR IF YOU HAVE QUESTIONS

Contact Sluice Goose Industries at:
1-800-507-5665

For updates, videos and options - www.buythegoldrop.com
info@sluicegooseindustries.com

PACKAGE CONTENTS

- ① 1 Ea. Goldrop Gold Separating Processor Assembly
- ② 1 Ea. 1100 GPH 12 Volt Pump with clamps attached
- ③ 6 Ea. Gold Collection Jars
- ④ 2 Ea. 1 inch x 10 inch Tailings Tubes
- ⑤ Crossover Siphon Tube
- ⑥ 1 Ea. 1 1/8 inch x 36 inch Siphon Hose & 12" Manifold to Pump hose
- ⑦ 1 Ea. Water Nozzle
- ⑧ 1 Ea. Paydirt Scoop
- ⑨ Tailings Bucket Frame



RECYCLING SYSTEM REQUIREMENTS

(Not Included)

SUGGESTED SOURCE

- 2 Ea. Drums, 15,30 or 55 gallon capacity
- 1 Ea. 3 gallon galvanized tailings bucket or equal
- 1 Ea. 12 Volt DC Battery

Amazon
Amazon
Local

SET UP FOR OPERATION

1

Remove and lay out contents of Goldrop box.

Fill two drums, side by side, with water 4 inches below the drum edge.

To the drum on your right (the tailings drum) attach the golddrop processor assembly yellow clamp on the drum edge and tighten the screws to secure the Goldrop to the drum. (see picture #1)



Place the tailings bucket support frame in the drum on your right by spreading the arms to hook over the edge of the drum. Place the tailings bucket in the frame. (see picture #2)

2

SET UP FOR OPERATION (CONT)



Install the 2 Ea.
1 Inch x 10 inch
tailings discharge
pipes, with 1 inch
elbow attached and
direct the discharge
to the tailings
bucket.
(see picture # 3)

3

Remove the pump
from its box and
attach the white
hose that is attached
to the manifold on
to the pump water
outlet.
(see picture #4)



4

SET UP FOR OPERATION (CONT)



To the drum on your left (the pump drum), submerge the pump into the water and allow the pump to fill with water (do not submerge the clamps).

5

To engage the siphon, completely submerge the 1 1/8 inch x 36 inch white hose in the drum. Push the rubber stopper in the end of the tube and ensure that the tube is filled with water. Submerge the end with the stopper in the other bucket. Once submerged, remove the rubber stopper. This



will cause the water to transfer by gravity from one bucket to the other keeping the bucket water levels equal. (see picture #5)

Set up is now complete.

GOLDROP OPERATION

SETTING THE WATER FLOWS

Set the spin water and drop water ball valves half open and pull out the slide gate valve to the open position. (see picture # 6)

6



Connect the battery clamps to the battery (red to Positive + and black to negative -) and start pumping water through the Goldrop to fill the unit and allow air to escape.

Check that water is flowing freely through the Goldrop and into the tailings bucket. Check the siphon system and make sure the water level in the two drums remains equal. If all checks well close all valves to start setting water flows.

To start, set the bottom drop water valve to read .5 GPM on the meter. (see picture #7)

7

GOLDROP OPERATION (CONT)

Classify pay dirt to 1/8 inch. Wash in some 1/8 inch pay dirt into the intake funnel at the top of the unit to settle the trap. When you observe a disturbance on top of the pay dirt in the trap funnel and see a downward movement of dirt in the trap funnel to the drop tube, the valve is set. (see picture # 8)

8



To set the drop water flow, watch the dirt in the trap. Slowly reduce the drop water flow on the meter. As you reduce the drop water flow, you will observe dirt dropping into the drop tube. Set the flow to allow some dirt to penetrate the drop tube $\frac{1}{2}$ the length of the tube and observe the drop water reading.

This will be the settings on the meter and will be the most efficient to drop gold in the jar for the classified size pay dirt you are processing. (see picture # 9)

You are now ready to process pay dirt.

9

FEEDING DIRT INTO THE GOLDROP

Using the pay dirt scoop put some pay dirt into the funnel at the top of the unit and squeeze the nozzle handle on the scoop to wash the dirt into the funnel. This washing action wets the dirt to help the dirt release its hold on the gold.

As more dirt is added gravity pushes the dirt up and out to the tailings bucket discharge tube. (see picture # 10)



10

The pay dirt drops submerged into the Goldrop collection jar at the bottom of the unit. The Blow Out valve (see picture 11) is used to clear the trap of dirt into the tailings bucket and to help keep the paydirt in suspension during processing. Adjust this valve carefully during processing to keep the dirt in slight motion.



11

FEEDING DIRT INTO THE GOLDROP (CONT)

To remove the jar after processing pay dirt is complete, open the drop water valve to increase the drop water flow to keep all dirt suspended in the trap. Close the slide gate valve above the collection jar. Unscrew the collection jar and empty the contents into the Gold Claw or pan. You might notice some mineral and other heavies in the jar as this is a good indication that you are recovering the most gold possible. (see picture)

To replace the collection jar first fill the collection jar with water and carefully screw the jar back onto the Goldrop. Slowly open the slide gate valve to release air trapped in the jar. Reset flows as outlined in "setting of the water flows".

To recover even finer gold you can run the tailings at a lower flow setting.



MAINTENANCE

Cleaning the Goldrop after use and prior to storage will help maintain trouble free operation and assure long life for the unit. If possible we recommend running clean water through the Goldrop after use if the unit is to be stored or have an extended period of non use

BASIC GOLD TERMS GLOSSARY

Amalgamation:	Combining of minerals such as gold concentrate with Mercury to remove gold from the concentrate. This is an extremely hazardous process. The Goldrop eliminates the need to use Mercury.
Alluvial Deposits:	Relatively recent deposits of sedimentary material laid down on river beds, flood plains, lakes or at the base of Mountains.
Assay:	A chemical test performed on a sample of gold or minerals to determine the amount of valuable minerals contained.
Bedrock:	The formation underlying pay dirt. The largest quantities of gold are generally recovered a couple of feet above bedrock.
Black Sand:	Usually composed of Hematite and Magnetite. Black Sands are usually heavier than ordinary sands and settle in the same manner as gold. Black Sands are a good indicator of gold and should not be overlooked. The Goldrop is especially efficient at removing gold from Black Sand.
Bullion:	Raw gold in nearly pure form ready to be cast into bars.
Carat:	A measure of weight of gold or precious gems. Pure gold is 24 carats.
Claim:	Portion of land held by a prospector or business with a size of 25 to 300 feet wide and 1500 feet long.
Classify:	Separating minerals according to size or density.
Concentrates:	Material remaining after washing which may contain black sand gold, silver, platinum and other minerals.
Fools Gold:	Also known as Pyrite and is brassy yellow and brittle and is often mistaken for gold.
Gold:	Extremely valuable bright yellow metal that is soft, malleable, will not corrode and is highly conductive with a density of 19.3 grams per cubic centimeter. Symbol Au, Atomic no. 79.
Lode:	A metallic Vein.
Nugget:	A small mass of precious metal.
Ore:	Mineral bearing rock commonly a mixture of one or more of quartz, gold, copper, silver, sulfur, iron and nickel.
Placer:	Gold embedded in clay, sand, gravel and includes all forms of mineral deposits except veins.
Panning:	To manipulate collected material in a small pan with water in a manner that will separate the gold from other minerals. The Goldrop makes available a pan known as the Gold Claw that makes the tedious process of panning much more efficient.
Sluice Box:	Troughs through which gold bearing material is washed.
Shaker Table:	Vibrating table or platform that separates heavy minerals such as gold from lighter material.
Strike:	Finding valuable minerals in an unexpected manner.
Tailings:	Material rejected from a gold process after the gold has been extracted.
Vein:	Fissure or fault in rock filled in by minerals such as gold.