



Owner's Manual



Congratulations on your purchase of the latest innovative solution to livestock watering!



The Geo-Star Waterer is designed to be very simple to install and easy to clean and maintain, so please read your owner's manual, and thank you for choosing Geo-Star Waterers. We wish you the best in livestock watering.

Tank Installation

Bury a 1" water line 4½' in the ground to the location where you want the tank to be installed. Run your line up through the bottom of the tank tube (which should be buried 4' in the ground) and let the line stick out of the top of the tube. Lay a level across the top of the tube and throw dirt in around the tube until even with the ground. (*Tube should be sticking 18" out of the ground.*) Make sure the line is laying nicely against the inside of the tube, then cut the line 16" down from the top of the tube. (Fig. 1) Now slide your shut-off assembly into the 1" line. Tighten the clamps and screw the assembly horizontally to the side of the tube with the supplied hangers and screws. (Fig. 2) Then attach the flex hose to the shut-off assembly. (*Note - do not attach the flex hose to the bottom of the filter.*) Now attach the other end of the flex hose to the drinking bucket. (Fig. 3) Open the valve on the shut-off assembly, and set the bucket in the tube. Set the adjusting screw on the tank valve to the desired level. (*See valve instructions.*)



Place the valve protector over the valve by pulling protector apart and sliding it over the valve. Put your lid back on the tank, fasten your stainless steel latches, and attach your safety rings. (Fig. 4) Your tank should now be ready for livestock.



You can pour concrete around your tank or put any kind of stone or gravel around your tank. Concrete helps so that heavy animal traffic doesn't force the frost line further into the ground around your tank.

If you live in a region where temperatures stay in the single digits for an extended period of time, we recommend using our heat tube extender to allow warmer air from deeper in the ground to access your heat tube. This will help eliminate surface ice. You should also give a lot of consideration as to where to install your waterer. The waterer can be installed in fence lines to allow animals from multiple paddocks to access the waterer, thus allowing more animals access to one waterer, which will help eliminate surface freezing. Also try to install the waterer in a well drained area, or run a drain tile from the bottom of the waterer.



Should you have further questions not covered in this manual, contact the dealer from whom the tank was purchased, or in absence of a local dealer, contact us directly at the address below:

Wingard's Custom Plastics, LLC

5705 W 600 N, Shipshewana, IN 46565

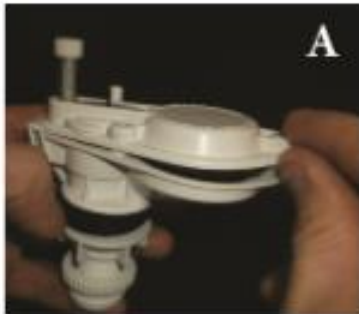
Automatic Livestock Fill Valve

How it Works:

The automatic unit uses a special diaphragm to measure the height of the water above the valve. This water height determines the point at which the valve shuts off. The unique adjusting knob on the unit allows the water level to be set at any height that is desired. The unit will have an average flow rate of 3.5 gal. per min. at 50 PSI. (*Recommended water level - 1½" from top of bucket*)

MAINTENANCE INSTRUCTIONS

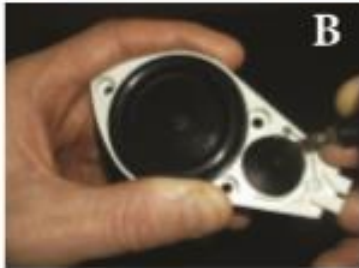
IF YOUR WATERING VALVE DOES NOT ALLOW WATER TO FLOW,
SIMPLY FOLLOW THESE EASY CLEANING INSTRUCTIONS.



A

Turn off the water supply to the watering tank. Remove the three screws on top of the valve. Remove the top cover by inserting your fingernail into the crack per illustration "A"

Lift off the cover and you will see a small black rubber disk inserted in the cover. Carefully remove this disk with flat screwdriver per instruction "B". (Care should be taken not to damage any parts while removing the disk.) You may reuse this disk after washing and wiping it off.



B



C

Clean the small air hole in the top cover as indicated in Figure "C." You may then reinsert the small disk after washing and wiping it off. Reinsert the disk with the smooth side showing. Finish reassembling the valve. The interlocking tabs on the small end of the cover should slide into the corresponding end of the valve body.

Close cover and install screws. Be careful not to over tighten the screws. Turn on the water supply.



Filter Flush

The filter we use is uniquely made with a reverse flush design, the filter has a stainless steel screen. All you need to do to clean the screen is open the ball valve at the bottom of the filter housing and let the water run through for approximately 5 seconds and your screen is cleaned. (See photo)

1-Year Limited Warranty

Geo-Stall Waterers warrants that for a period of one year from the date of purchase, this product will be free from defects in material and workmanship. Geo-Stall Waterers, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. Geo-Stall Waterers dealers, or retail stores selling Geo-Stall Waterers products do not have the right to alter, modify or in any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use contrary to the operating instructions, disassembly, repair or alteration. Further, the warranty does not cover: Acts of God, such as fire, flood, hurricanes and tornadoes.



Item
GSW-01

Description
Geo-Star Complete Waterer
w/Std Lid

Ground Level



Item
GSW-12

Description
Heat Tube Extender



Item
GSW-02

Description
Winter Lid, standard with complete
systems, 10" diameter hole



Item
GSW-13

Description
Stainless Steel Latch



Item
GSW-03

Description
Winter Lid Plug



Item
GSW-14

Description
Quick Connector Set



Item
GSW-04

Description
Summer Lid, optional to the std
winter lid, 14" diameter hole



Item
GSW-15

Description
Foam Seal Strip for Lid



Item
GSW-05

Description
Summer Lid Plug



Item
GSW-16

Description
Filter, w/stainless steel screen



Item
GSW-06

Description
(No Float) Automatic Fill Valve
Standard Item



Item
GSW-17

Description
Shut-Off Valve



Item
GSW-07

Description
Float Protectors



Item
GSW-18

Description
Deer Plates



Item
GSW-08

Description
Low Pressure Rojo Float Valve
Optional Item

Item
GSW-09

Description
Mega-Flow Valve



Item
GSW-19

Description
Gator XL Medicator Model 8002



Item
GSW-10

Description
7 1/2 Gal. Waterer Bucket w/Handle



Item
GSW-20

Description
Insulated Fabric Cover
(when not in use during winter)



Item
GSW-11

Description
4 Ft. Flex Hose