

# Zebra™ GS Series Disk Skimmer Manual

The Zebra GS Series Disk Skimmer automatically separates and removes tramp oils which cause bacterial growth and coolant destruction.

Since coolant is expensive to buy and dispose of, the GS Series reduces your costs associated with spent coolant.

## Motor Specifications: Continuous-Duty

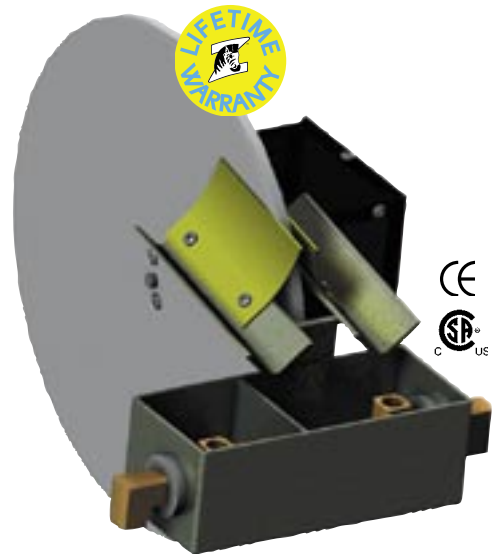
- 110v, 1 phase, 60Hz, .43 amps, rated at 10K hrs. MTBF
- 7 rpm, fan-cooled
- 3-wire ground cord

## Warnings

- For lifting oil from machine sumps only
- Excessive oil flow will overflow the reservoir
- Do not immerse motor in any liquid
- Shield motor from spray
- Do not use in explosive atmosphere
- Per NEC regulations, a ground fault interrupt must be installed

## Warranty

- Wipers and disks are warrantied for life. If they ever need replacing, contact us for free ones. (Disk and wipers can also be purchased as spares for other units)
- All other parts are warrantied for a period of one year



Visit  
[www.CoolantMaintenance.com](http://www.CoolantMaintenance.com)  
for clean coolant tips



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If you have any questions or require product support,  
please contact 888-249-4855

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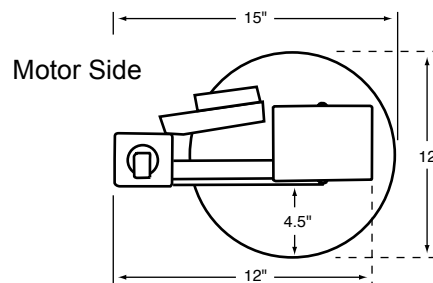
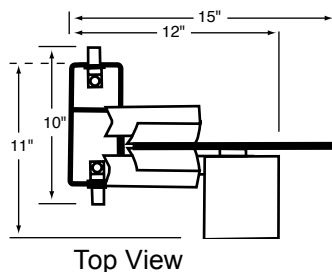
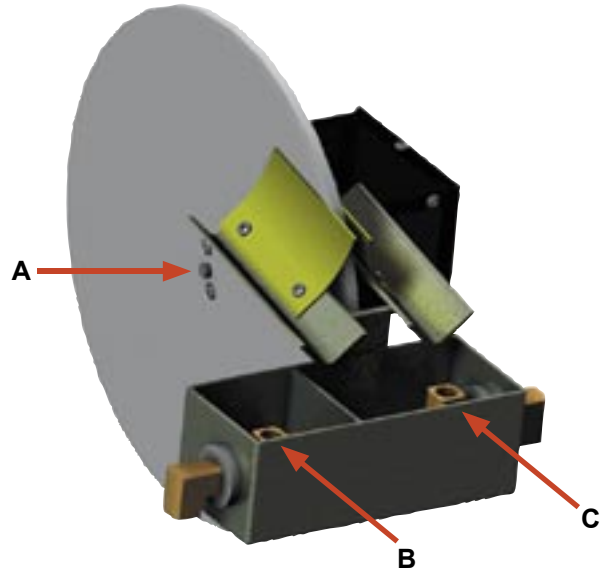
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We reserve the right to change any  
information without notice.

## Installation Instructions

1. Before Installation, you must attach the motor to the frame. Using the 3/4" 10-32 screws, which are partially attached to the motor so you can see how the motor attaches to the frame, mount the motor to the unit.

DO NOT OVERTIGHTEN.

2. Place the unit on a table or level surface for working. You may want to clamp it down because the tank will hang over the edge while you are putting the disk on.
3. Remove the (2) #8 screws from the collar on the motor shaft.
4. Slide the disk between the wiper blades and mount the disk to the motor shaft via the center hole. Refer to Figure at the right (A).
5. Replace and tighten the #8 screws through the disk into the collar.
6. Mount the unit over the coolant tank.
7. Fill the separator tank with mixed coolant (about 2 cups). To verify the unit is level for proper operation, keep adding coolant until it forms a lip around the coolant elbow rim (smaller of two reservoirs). Refer to Figure at the right (B). The coolant should be about 1/16" (2mm) beneath the oil rim outlet. Refer to Figure at the right (C).
8. If the level is wrong, shim the appropriate end of the tank with shims no thicker than 40 mils (1mm) each. If the coolant is too close to the oil outlet, shim the oil side up.
9. Use the 4" nipple pipe fittings to direct the oil side to a discharge container, and the clean coolant back to the sump. NOTE: The brass fittings on the inside of each of the reservoirs need to be kept parallel to the top of the separation tank.
10. Plug the unit into a 110v outlet and let it work! CAUTION: This unit is only designed to handle the small amounts of oil caused under normal conditions -approximately 2 qts. oil output per hour.



Motor: .06 amp, 60Hz 110v 1ph 6 rpm continuous duty.

## How It Works

- 1 Oil and coolant enter here. Oil floats on top of coolant to approximately 1" (22mm) thick.
- 2 Oil exits here.
- 3 Coolant sinks to the bottom, and passes under this weir.
- 4 Clean coolant passes over this elbow and returns to the machine sump.

