



FEATURES AND USAGE

The Remco Zeus™ (ZT9500 and ZDEF9500 Series) Transfer Pump is a 12 Volt DC or 110 Volt AC, self-priming, positive-displacement diaphragm pump. It is designed for non-flammable fluid transfer and recirculation. The pump includes an 18' power cord with alligator clips and an inline fuse or 6' three prong plug cord. The pump features a 1" NPT inlet and a 1" NPT discharge port, safety bypass (45 PSI), and integrated on/off switch.

The information outlined by this manual is general and is not meant to be absolute. The Zeus™ Pump is intended for intermittent duty. Be certain the pump materials will be compatible with the fluid being pumped. If unsure of the chemical compatibility with a given elastomer or the motor's intended design, please contact Remco Industries for assistance online [www.remcoindustries.com](http://www.remcoindustries.com) or by phone at 763-253-4740.

PRODUCT FEATURES

- Self-priming, positive displacement
- Chemically-resistant materials of construction
- Ability to handle high to low viscosity liquids
- Safety bypass (45 PSI)
- Integrated on/off switch
- Thermal protection

MATERIALS OF CONSTRUCTION

- Housings ..... Nylon
- Valves ..... Santoprene and polypropylene
- O-rings ..... EPDM or Viton
- Diaphragm ..... Santoprene

ZEUS™ USAGE INSTRUCTIONS

1. Be sure to use thread sealant for any and all connections made to the pump.
2. Connect appropriate size and length of tubing for current application. Cut to length as needed.
3. Ensure all connections are tight and free of leaks.
4. Ensure the power switch on the pump is in the OFF position.
5. Connecting to power source:
  - 12V: Connect the battery clips to the appropriate power source.
  - NOTE: The RED wire is the positive (+) 12 Volt connection. The BLACK wire is the negative (-) 12 Volt connection.
  - 110V: Plug the power cord into a GFCI outlet with the switch in the OFF position.

6. Once the system is ready, turn the power switch to the ON position.
7. Operate the pump until no longer needed.
8. When complete, be sure to turn the power switch to the OFF position.

12 VOLT BATTERIES CAN PRESENT A HAZARDOUS, EXPLOSIVE ENVIRONMENT. BEFORE MAKING ANY BATTERY CONNECTIONS, ASSURE THE PUMP SWITCH IS IN THE OFF POSITION. ASSURE THE PUMP'S BATTERY CONNECTIONS ARE TIGHT BEFORE OPERATING

CAUTION

**CAUTION:** DO NOT USE to pump flammable liquids. Never operate the pump in an explosive environment. Arcing from the motor brushes or excessive heat from an improperly cycled motor may cause an explosion.

**CAUTION:** DO NOT assume fluid compatibility. If the fluid is improperly matched to the pump's elastomers, a leak may occur.

**CAUTION:** DO NOT operate the pump at pressures which cause the motor to exceed amperes rating. DO NOT operate the pump at voltages which exceed the voltage rating. Operating the pump beyond the indicated ratings may cause the motor to overheat.

### FLUSHING

If the pump is not to be used for an extended period of time, it is recommended to flush any chemicals from the pump with fresh water. Flushing the pump will ensure a long, problem-free life and easy start-up when the pump is needed again.

**NOTE:** DO NOT flush with petroleum-based chemicals. Use only water to flush the Zeus™ Chemical Transfer pump.

**NOTE:** Be sure to properly dispose of the contaminated rinse water after flushing the pump.

### ZEUS™ TRANSFER KIT CONTENTS

<b>A</b> - Zeus Pump	<b>D</b> - Hose Clamps (x4)	<b>G</b> - Bushing
<b>B</b> - Straight Hose Barb (x3)	<b>E</b> - 90° Hose Barb	<b>H</b> - Ball Valve Nozzle
<b>C</b> - Rubber Hose (5' and 10')	<b>F</b> - Female Cam Lock	<b>I</b> - Dispensing Nozzle

### ASSEMBLY INSTRUCTIONS

#### SUCTION HOSE ASSEMBLY

- STEP 1:** Thread **B** into inlet port of **A**  
**STEP 2:** Thread **F** onto **G**, then **G** onto **E**  
**STEP 3:** Cut **C** to proper length (shorter length included in kit)  
**STEP 4:** Place **D** onto **C**, then slide ends over **B** and **E**  
**STEP 4:** Tighten **D**

#### DISCHARGE HOSE ASSEMBLY

- STEP 1:** Thread **B** into outlet port of **A**  
**STEP 2:** Thread **I** onto **H**, then **B** into **H** (note flow direction)  
**STEP 3:** Place **D** onto **C**, then slide over **B**'s and tighten **D**

#### REQUIRED TOOLS:

- 5/16" wrench or flat head screwdriver
- Pipe thread sealant

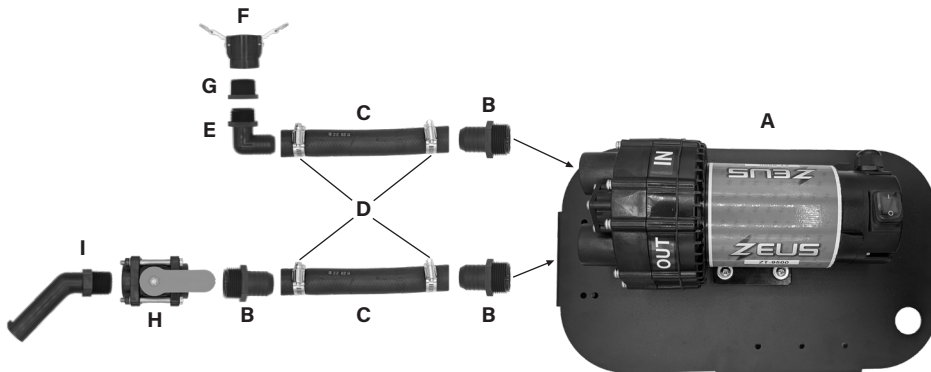
#### FOR SIDEMOUNT USE:

- Trim suction hose to desired length
- Suggested length or 22" for 275 cage tank

#### ATTENTION:

Apply an even coat of thread sealant on male threads. Hand tighten joints and torque another 1/2 to 3/4 turn until threads are properly sealed

**\*USE THREAD SEALANT ON ALL THREADS\***



### LIMITED WARRANTY INFORMATION

Remco warrants its products to be free from material and workmanship defects (under normal use and service) for a period of one (1) year from the date of manufacture, or one (1) year use with proof of purchase, not to exceed two (2) years in any event.

The limited warranty will not apply to pumps that were improperly installed, misapplied, or incompatible with fluids or components not manufactured by REMCO. REMCO will not warrant any pump which is damaged or modified outside the REMCO factory.

All pumps/products must be flushed of any chemicals before shipping. All warranty considerations are governed by Remco's written Return Policy.

Returns are to be shipped postage prepaid to our service center in Osakis, MN. REMCO shall not be liable for freight damage incurred during shipping. Package returns carefully and include the RMA number on the packaging. REMCO INDUSTRIES, 10425 Wildlife Loop SE, Osakis, MN 56360.

Upon receiving a pump, it will be tested per REMCO's test criteria. REMCO's obligation under this warranty policy is limited to the repair or replacement of the unit. Pumps found not defective (under the terms of this limited warranty) are subject to charges to be paid by the returnee for the testing and packaging of "tested good" units.

No credit or labor allowances will be given to the returnee for pumps returned as defective. Warranty replacements will be shipped on a freight allowance basis. REMCO reserves the right to choose the method of transportation.

This limited warranty is in lieu of all other warranties, expressed or implied, and no other person is authorized to give any other warranty or assume obligation or liability on REMCO's behalf. REMCO shall not be liable for any labor, damage, or other expenses, nor shall REMCO be liable for any indirect, incidental, or consequential damages of any kind incurred by the reason of the use or sale of any defective product or part. This limited warranty covers pumps distributed within the United States of America. Other world market areas should consult with the distributor for any deviation from this document.