



**Product Owner's Manual**  
Manual del propietario del producto  
Manuel du propriétaire du produit



**DEF**

**115V(AC)**

**12V(DC)**

**DEF Transfer Pump**  
**Bomba de transferencia de DEF**  
**Pompe de transfert de DEF**

**Models:** D08TS-115DA+T32+CK, D08TS-012+T32+CK

**Thank you for choosing Great Plains Industries as your preferred brand! Our team places innovation, precision, and care into every product made, providing you with the best total value. This manual contains critical product information.**

Save these instructions and observe all safety information to prevent personal injury or property damage. See back cover for warranty and customer support details.

**DO NOT RETURN THIS PRODUCT TO THE STORE!**

Please contact Great Plains Industries, Inc. before returning any product. If you are missing parts, or experience problems with your installation, contact our Customer Support Department. We will be happy to assist you.

EN

**¡Gracias por elegir Great Plains Industries como su marca preferida! Nuestro equipo pone innovación, precisión y cuidado en cada producto fabricado, proporcionándole el mejor valor total. Este manual contiene información crítica del producto.** Guarde estas instrucciones y observe toda la información de seguridad para evitar lesiones personales o daños materiales. Consulte la contraportada para obtener detalles sobre la garantía y el soporte al cliente.

**¡NO DEVUELVA ESTE PRODUCTO A LA TIENDA!**

Comuníquese con Great Plains Industries, Inc. antes de devolver cualquier producto. Si le faltan piezas o experimenta problemas con su instalación, comuníquese con nuestro Departamento de atención al cliente. Estaremos encantados de ayudarle.

ES

**Merci d'avoir choisi Great Plains Industries comme votre marque préférée! Notre équipe place l'innovation, la précision et le soin dans chaque produit fabriqué, vous offrant la meilleure valeur totale. Ce manuel contient des informations critiques sur le produit.** Conservez ces instructions et respectez toutes les informations de sécurité pour éviter les blessures corporelles ou les dommages matériels. Consultez la couverture arrière pour obtenir des détails sur la garantie et le support client.

**NE PAS RENVoyer CE PRODUIT AU MAGASIN !**

Veuillez contacter Great Plains Industries, Inc. avant de retourner un produit. S'il vous manque des pièces ou si vous rencontrez des problèmes avec votre installation, contactez notre service d'assistance à la clientèle. Nous serons heureux de vous aider.

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## BEFORE YOU BEGIN

### Fluid Compatibility Statement

- Diesel Exhaust Fluid (DEF). Not compatible with petroleum-based liquids. DO NOT USE WITH FLAMMABLE LIQUIDS.

### Power Source Requirements:

- This manual covers 12V(DC) and 120V(AC) diaphragm pump models D08TS-012+T32+CK and D08TS-115DA+T32+CK

### Tools Needed:

- Common Screwdriver, Adjustable Wrench

## UNPACKING

### Shipping Damage Check



- After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing or damaged parts. Shipping damage claims must be filed with carrier. Review General Safety Instructions and all Caution, Warning, and Danger statements as shown.

### Contents:



- (1) 12V(DC) or 120V(AC) DEF Transfer Pump
- (1) Factory-Installed power cord, 4.5ft. (1.4m)
- (1) DEF Flow Meter
- (1) Stainless Steel IBC Cage Mounting Bracket
- (1) Inlet Hose, 6.5ft. (2m) x 3/4in.
- (1) Dispensing Hose, 20ft. (6m) x 3/4 in.
- (4) Hose Clamps
- (2) 3/4 in. Hose Barb Fittings
- (1) Stainless Steel Automatic Shut-Off Nozzle
- (1) Stainless Steel Nozzle Hose Barbe Swivel

## GENERAL SAFETY INSTRUCTIONS

**IMPORTANT:** It is your responsibility to:

- Know and follow applicable national, state and local safety codes pertaining to installing and operating electrical equipment.
- Know and follow all safety precautions when handling fluids.
- Ensure that all equipment operators have access to adequate instructions concerning safe operating and maintenance procedures.
- Observe all safety precautions.

### SYMBOLS

#### **⚠ DANGER**

Description of imminent hazard and failure to avoid hazard will result in death.

#### **⚠ WARNING**

Description of hazard and possible resulting injuries or death.

#### **⚠ CAUTION**

Description of hazard and possible resulting injuries.



This symbol indicates a general warning to the user. See additional specific warnings.



This symbol indicates electrical shock hazard. Follow proper installation and maintenance instructions in this manual.



This symbol indicates hot surface. Take care to avoid coming into contact with hot surface.



This symbol indicates automatic restart. Pump contains thermal protection which automatically shuts off motor before overheating. Pump will turn back on automatically after cooling. Turn switch OFF and wait 30 minutes to resume normal pumping. Disconnect power before any inspection or service.



Owner's manual must be read before using, inspecting, or servicing this product.



Disconnect power when product is unattended or in the case of a malfunction. Disconnect power before any inspection, servicing, or maintenance.



To prevent physical injury or property damage, observe precautions against fire or explosion when dispensing fuel. Do not operate the system in the presence of ignition sources such as, but not limited to: open flames, lighted cigarettes, running or hot engines, gas or electric heaters.



## GENERAL SAFETY INSTRUCTIONS (CONTINUED)

### SAFETY WARNINGS

#### **⚠ DANGER**

*Observe precautions against electrical shock when operating the system. Serious or fatal shock can result from operating electrical equipment in damp or wet locations.*

#### **⚠ DANGER**

*Observe precautions against electrical shock when servicing the pump. Always disconnect power before repairing or servicing. Never apply electrical power to the system when any of the cover plates are removed.*

#### **⚠ WARNING**

*Inspect external pump wiring regularly to make sure it is correctly connected. To avoid electrical shock, use extra care when connecting the pump to power.*

#### **⚠ WARNING**

*Avoid prolonged skin contact with petroleum fuels. Use protective goggles, gloves and aprons in case of splashing or spills. Change saturated clothing and wash skin promptly with soap and water.*

## SPECIFICATIONS

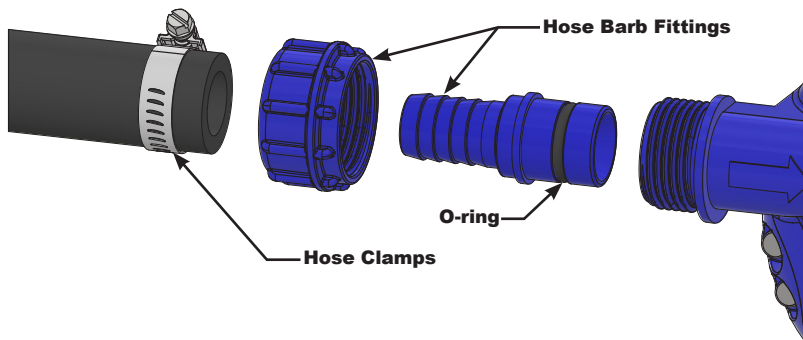
|                         | D08TS-115DA+T32+CK                           | D08TS-012+T32+CK                             |
|-------------------------|----------------------------------------------|----------------------------------------------|
| Part Number             | 180010-03                                    | 180012-03                                    |
| Input Voltage           | 115V(AC) 50/60 Hz                            | 12V(DC)                                      |
| Motor RPMs              | 1750                                         |                                              |
| Motor HP                | 0.50                                         | 0.24                                         |
| Amps (Rated)            | 1.3                                          | 14.8                                         |
| Power Cord              | 4.5ft (1.4m), 18AWGx3C,<br>Factory-Installed | 4.5ft (1.4m), 14AWGx2C,<br>Factory-Installed |
| Max. Flow Rate          | 8 GPM (30 L/min)                             |                                              |
| Type                    | Oscillating Diaphragm                        |                                              |
| Duty Cycle              | 20 min. (run timer 15 min)                   |                                              |
| Max. Discharge Pressure | Up to 23 PSI (1.6 bar)                       |                                              |
| Suction Lift            | Up to 9ft (2.75m)                            |                                              |
| Operating Temperature   | 23° F to 104° F (-5° C to 40° C)             |                                              |
| Wetted Materials        | Nylon, TPU, EPDM, Stainless Steel            |                                              |
| Inlet                   | 3/4in Hose Barb                              |                                              |
| Outlet                  | 3/4in Hose Barb                              |                                              |
| Warranty                | Two-Year Pump                                |                                              |

## INSTALLATION INSTRUCTIONS

### **⚠ WARNING**

*Coverplates protect the operator from moving parts. Never operate the pump without coverplates in place. Never apply electric power to the pump without coverplates in place. Always disconnect power before repairing or servicing*

1. Install Orings on the hose barb fittings.
2. Install the hose barb fittings on the inlet and outlet of the pump system.
3. Connect the hose to the hose barb fittings and secure with the hose clamps.



### **D08TS-115DA+T32+CK**

- This pump is designed for use with GFCI protected, 115V(AC) power. Do not attempt installation or operation with 12V, 24V, or 230V power sources. Use only three-pronged, grounded connectors. Do not use two-prong adapters. Inspect power cords regularly and replace if signs of wear are evident.
- To avoid personal injury, use a ground fault circuit interrupter (GFCI) approved by Underwriters Laboratories Standard 943 with this pump.

### **D08TS-012+T32+CK**

- This pump is designed for use with a 12V(DC) battery. Do not attempt installation or operation with 115V or 230V power sources.
- Connect the pump to a 12V(DC) battery with the red wire attached to positive (+) and the black to negative (-). Circuit must be rated for minimum of 20 amps.
- Inspect wiring regularly. Make sure the power cord is correctly attached to the battery. To avoid electrical shock, use extra care when connecting the pump to the battery.

### **D08TS-115DA+T32+CK AND D08TS-012+T32+CK**

- Do not exceed standard duty cycle of 20 minutes ON and 20 minutes OFF. Allow the pump to cool for 20 minutes.
- Some fluid may spill from the pump during pump removal. Follow DEF label directions for cleanup and disposal.
- To avoid personal injury, turn the pump off and disconnect from power before repair or service.
- For your protection, thoroughly flush the pump before cleaning or repair.

## OPERATION

**IMPORTANT:** Always follow safety precautions when operating this equipment. Review the safety instructions.

### **CAUTION**

*Before each use, repair leaks around seals or connections. Make sure hoses are in good condition and connections are tight. If damaged, replace hoses before use.*

**NOTE:** Make sure the work area is dry.

### **Motor Protector Timer (15 min)**

This pump is provided with a motor protector timer. This feature prevents continuous pump operation by automatically turning the motor off after 15 minutes of operation. To restore operation, cycle the power switch.

### **RSV Connections**

This system works with RSV connections. These connection items can be purchased separately by visiting the GPI website. Scan the QR code on page 3 for more information.

### **D08TS-115DA+T32+CK**

### **WARNING**

*Make sure the pump is properly grounded. Repair any corroded or damaged wiring before use.*

**IMPORTANT:** The motor is provided with an internal temperature-limiting device. Excessive motor heat will trip the device and will only reset after the motor has cooled. If the device trips, turn the switch OFF and let the pump cool for 30 min. Turn the switch ON again when ready to operate.



## MAINTENANCE

**NOTE:** This pump is designed for minimum maintenance. The motor bearings are self-lubricating. Inspect the pump and components regularly for leaks and make sure the hose and power cord are in good condition. If damaged, replace before use. Keep the pump exterior clean to help identify leaks.



## Limited Warranty Policy

Great Plains Industries, Inc. hereby provides a limited warranty against defects in material and workmanship on all products Great Plains Industries, Inc. manufactures. The warranty period shall begin on the date of purchase confirmed with the original purchase receipt or, if not available, the date of manufacture. Manufacturer's sole obligation under the following warranties will be limited to either, at Manufacturer's option, replacing or repairing defective goods. If the product is no longer available, replacement may be made with a similar product of equal or greater value. Buyer's exclusive remedy for breach of any such warranties will be enforcement of such obligations of Manufacturer. The warranty shall extend to the purchaser of this product and to any person to whom such product is transferred during the warranty period.

### Warranty shall not apply if:

The product has been subjected to neglect, misuse, abuse or damage or has been installed or operated other than in accordance with the manufacturer's operating instructions or the product has been altered or modified outside the warrantor's duly appointed representative.

**Product components considered wear items, i.e. vanes, etc., are NOT included within the scope of this warranty.**

Charges for shipping and insuring packages to Great Plains Industries, Inc. are the customer's responsibility. Great Plains Industries, Inc. will ship the warranted product back to the customer via ground shipping free of charge for shipments within the United States. International shipping charges and customs fees to and from Great Plains Industries, Inc. are the customer's responsibility.

GREAT PLAINS INDUSTRIES, INC., EXCLUDES LIABILITY UNDER THIS WARRANTY FOR DIRECT, INDIRECT, INCIDENTAL AND CONSEQUENTIAL DAMAGES INCURRED IN THE USE OR LOSS OF USE OF THE PRODUCT WARRANTED HEREUNDER.

THE COMPANY HEREWIT EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OTHER THAN FOR WHICH IT WAS DESIGNED.

THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM U.S. STATE TO U.S. STATE.

In compliance with MAGNUSON MOSS CONSUMER WARRANTY ACT - PART 702 (governs the resale availability of the warranty terms)

**To obtain warranty service,  
contact Product Support:**

**800-835-0113**

Technical experts will guide you through a troubleshooting process to determine appropriate corrective actions.

**The following respective warranty periods apply:**



**FIVE-YEAR WARRANTY** applies to the following product families:

**GPRO® Fluid Transfer Pumps:**  
V25-012, V25-024, V20-115,  
V20-230, PRO35-115

**GPRO® Remote Dispensers:**  
QM40-RD

**GPRO® Fuel Meters:** QM40

**GPI® Fuel Meters:** M30



**TWO-YEAR WARRANTY** applies to the following product families:

**GPI® Fluid Transfer Pumps:**  
G8P, EZ-8, M-150S, M-180S,  
M-240S, M-1115S, G20-012\*,  
D08TS-012, D08TS-115, P-200,  
PA-200, P-120H, P-200H, PA-200H,  
HP-100, DP-20, RP-10

**GPI® Fluid Meters:**  
01A, 01N, FM-300H,  
LM51DN, LM-300



**ONE-YEAR WARRANTY** applies to the following products:

**GPI® Oil Transfer Pumps:**  
L5020, L5116, L5132



**90-DAY WARRANTY** applies to the following products:

**GPI® Fluid Transfer Hand Pumps:**  
RP-5, BP-12, LP-50

**90-DAY WARRANTY** applies to Spare Parts, Kits and Accessories including Nozzles\*, Hoses, Swivels, Vent Caps, Filter Adapters, etc.

**90-DAY WARRANTY** applies to Factory Repairs from repair date or the balance of the original warranty whichever is longer.

*\*Extended warranty coverage available on select products.*

Requires registration of product with manufacturer.  
Visit [greatplainsindustries.com/register-your-product](http://greatplainsindustries.com/register-your-product)



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