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General Pump PMREZ4040G

General Pump PMREZ4040G EZ4040G EZ4040 Pressure Washer Direct Drive Pump User Manual

Model: PMREZ4040G

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your General Pump PMREZ4040G EZ4040G EZ4040 Direct Drive Pressure Washer Pump. Please read this manual thoroughly before operating the pump to ensure proper function and longevity.



Image 1: General Pump PMREZ4040G EZ4040G EZ4040 Direct Drive Pressure Washer Pump. This image displays the pump assembly, featuring brass components for the manifold and valves, a black finned housing for the crankcase, and a black mounting flange. A blue hose connects to the unloader valve, which has a black adjustment knob.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the equipment:

- Read and understand all instructions before use.
- Wear appropriate personal protective equipment (PPE), including eye protection, during operation and maintenance.
- Ensure the pump is securely mounted and all connections are tight before starting.
- Do not operate the pump without adequate water supply. Dry running can cause severe damage.

- Never point the high-pressure spray at people, animals, or electrical equipment.
- Disconnect the pump from the power source (engine) before performing any maintenance or adjustments.
- Keep children and pets away from the operating area.

3. SPECIFICATIONS

Feature	Specification
Brand	General Pump
Model Number	PMREZ4040G
Maximum Flow Rate	4 Gallons Per Minute (GPM)
Maximum Pressure	4000 PSI
Engine Compatibility	13hp-15hp Gas Engines with 1" Shaft
Power Source	Gas Powered
Item Weight	22 Pounds
Material	Metal
UPC	666628919812

This pump is designed to deliver 4 GPM at 4000 PSI and is compatible with 13hp-15hp gas engines featuring a 1-inch shaft. It includes an unloader and inlet for immediate integration.

4. SETUP AND INSTALLATION

1. **Engine Preparation:** Ensure your gas engine is between 13hp and 15hp and has a 1-inch diameter shaft. The engine should be turned off and cooled before installation.
2. **Mounting the Pump:** Align the pump's mounting flange with the engine's mounting points. Secure the pump firmly to the engine using appropriate bolts and washers. Ensure a snug fit to prevent vibration and misalignment.
3. **Shaft Connection:** Carefully slide the pump onto the engine shaft. Ensure the keyway aligns correctly with the key on the engine shaft. Secure the pump to the shaft according to your engine manufacturer's instructions, typically with a set screw or bolt.
4. **Water Inlet Connection:** Connect a garden hose or other suitable water supply line to the pump's inlet port. Ensure the connection is tight to prevent air leaks, which can cause cavitation and damage the pump. A minimum of 4 GPM water supply is recommended.
5. **High-Pressure Outlet Connection:** Connect your high-pressure hose to the pump's outlet port. Ensure this connection is also secure.
6. **Unloader Valve:** The pump comes with an integrated unloader valve. This valve regulates pressure and diverts water when the trigger gun is closed. Ensure it is properly connected and adjusted for your desired operating pressure.
7. **Oil Level Check:** Before first use, check the pump's oil level. Refer to the maintenance section for oil specifications and proper filling procedures.

5. OPERATING INSTRUCTIONS

1. **Water Supply:** Turn on the water supply completely before starting the engine. Allow water to flow through the pump and out of the high-pressure hose (without the spray gun attached) to purge any air from the system.

- 2. **Engine Start-up:** Start the gas engine according to its manufacturer's instructions.
- 3. **Pressure Adjustment:** The unloader valve allows for pressure adjustment. Turn the black knob on the unloader valve to increase or decrease pressure. Always adjust pressure gradually.
- 4. **Operation:** Once the engine is running and water is flowing, attach the spray gun and desired nozzle. Squeeze the trigger to begin spraying.
- 5. **Shut Down:** To shut down, release the trigger, turn off the engine, and then turn off the water supply. Squeeze the trigger gun briefly to relieve any residual pressure in the system.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your pump.

- **Oil Changes:**
 - **First Oil Change:** After the first 50 hours of operation.
 - **Subsequent Oil Changes:** Every 3 months or 200 hours of operation, whichever comes first.
 - Use non-detergent pump oil (e.g., SAE 30 or 15W-40, consult pump specifications for exact type). Do not overfill.
- **Inlet Filter:** Regularly inspect and clean the inlet filter screen to prevent debris from entering the pump.
- **Nozzles:** Clean or replace clogged nozzles to maintain optimal pressure and flow.
- **Connections:** Periodically check all hose connections for leaks and tighten as necessary.
- **Winterization:** In freezing temperatures, the pump must be protected. Drain all water from the pump or use a pump protector/antifreeze solution to prevent damage from freezing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No pressure or low pressure	<ul style="list-style-type: none">◦ Insufficient water supply◦ Air in the pump◦ Clogged nozzle◦ Worn unloader valve or seals	<ul style="list-style-type: none">◦ Ensure full water flow to the pump.◦ Purge air from the system by running water through the pump without the gun attached.◦ Clean or replace the nozzle.◦ Inspect and replace unloader valve components or seals.
Pump pulsates or cycles	<ul style="list-style-type: none">◦ Air in the system◦ Inlet water restriction◦ Leaking high-pressure hose or gun	<ul style="list-style-type: none">◦ Purge air from the system.◦ Check inlet filter and hose for obstructions.◦ Inspect and replace faulty components.
Water leaks from pump	<ul style="list-style-type: none">◦ Loose fittings◦ Worn seals or O-rings	<ul style="list-style-type: none">◦ Tighten all connections.◦ Identify and replace damaged seals or O-rings.



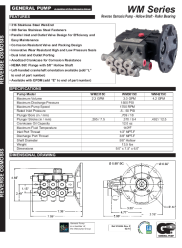
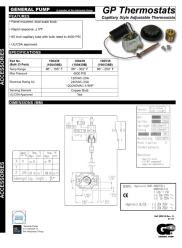

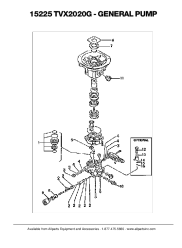
8. WARRANTY AND SUPPORT

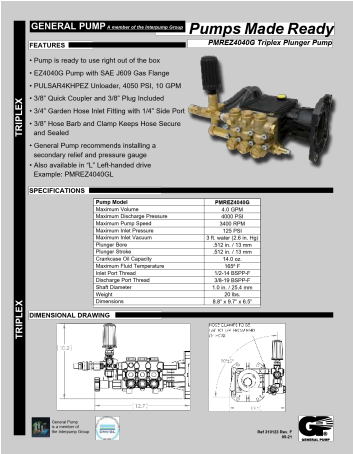
For warranty information, technical support, or to order replacement parts, please contact General Pump directly or refer to their official website. Keep your purchase receipt as proof of purchase for warranty claims.

General Pump Contact Information:

- **Official Website:** www.generalpump.com
- Refer to the product packaging or General Pump's website for specific customer service contact details.

Related Documents - PMREZ4040G

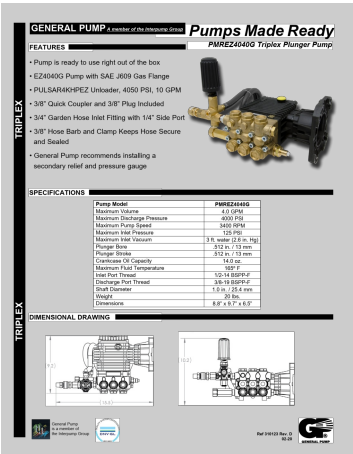
	<p>General Pump HTXS Series Emperor Pumps - Technical Specifications and Installation Guide</p> <p>Detailed information on General Pump's HTXS Series Emperor pumps, including features, specifications, installation recommendations, maintenance, and parts list. Covers models HTXS1810S, HTXS1812S, and HTXS1813S.</p>
	<p>General Pump Industrial Hose Reels Operator's Manual</p> <p>Operator's manual for General Pump Industrial Hose Reels, including assembly, operating instructions, safety precautions, and specifications for models DHRA50150, DHRA50300, and DHRA50450.</p>
	<p>General Pump WM Series Reverse Osmosis Pumps - Specifications and Parts</p> <p>Detailed specifications, features, and parts list for the General Pump WM Series Reverse Osmosis Pumps, including WM2315C, WM3015C, and WM4215C models. Features include stainless steel wet-end, corrosion resistance, and NEMA 56C flange.</p>
	<p>GP Thermostats: Capillary Style Adjustable Thermostats - General Pump</p> <p>Detailed specifications, dimensions, wiring diagrams, and assembly instructions for General Pump's GP Thermostats (Capillary Style Adjustable Thermostats), including models 100438, 100439, and 100538. Features rapid response and UL/CSA approval.</p>
	<p>General Pump EP Series Triplex Plunger Pump: Features, Specifications, and Installation Guide</p> <p>Detailed information on General Pump's EP Series Triplex Plunger Pumps, including features, technical specifications, installation recommendations, maintenance advice, and parts lists for models with a 1" hollow shaft.</p>
	<p>15225 TVX2020G General Pump Parts and Repair Kit Information</p> <p>Detailed parts list and identification for the 15225 TVX2020G General Pump, including packing kit and unloader kit components. Information provided by Allparts Equipment and Accessories.</p>



[General Pump PMREZ4040G Triplex Plunger Pump Specifications and Features](#)

Detailed specifications, features, and parts list for the General Pump PMREZ4040G Triplex Plunger Pump, designed for high-pressure applications. Includes dimensional data and safety warnings.

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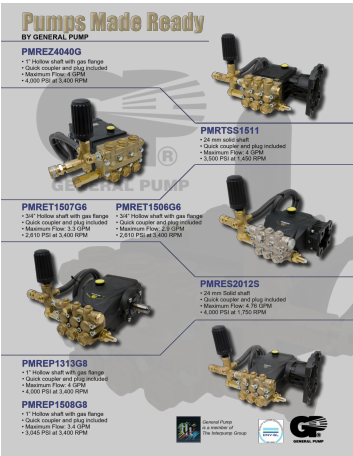


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TRIPLEX Pumps Made Ready GENERAL PUMP A member of the Interpump Group
FEATURES PMREZ4040G Triplex Plunger Pump Pump is ready to use right out of the box EZ4040G Pump with SAE J609 Gas Flange PULSAR4KHPEZ Unloader, 4050 PSI, 10 GPM 3/8 Quick Coupler and 3/8 Plug Included 3/4 Garden Ho...

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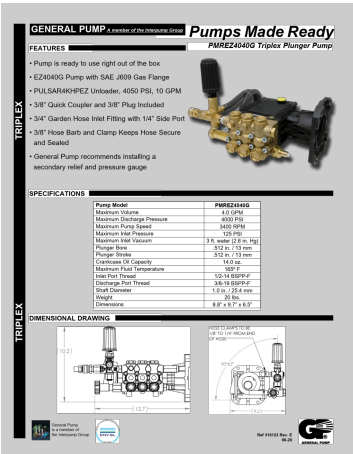


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Pumps Made Ready BY GENERAL PUMP**PMREZ4040G** 1 Hollow shaft with gas flange Quick coupler and plug included Maximum Flow: 4 GPM 4,000 PSI at 3,400 RPM PMRTSS1511 24 mm solid shaft Quick coupler and plug included Maximum Flow: 4 GPM 3,500 PSI at 1,450 RPM PMRET1507G6 3/4 Hollow shaft with...

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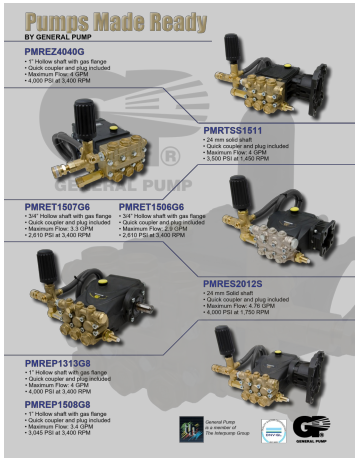


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Pumps Made Ready Pressure Washers DirectPMREZ4040G General Pump is a member of The Interpump Group PMREP1313G8 PMRTSS1511 PMRET1507G6 1 Hollow shaft with gas flange Quick coupler and plug general pump c7fc62f2d8bf8786bfa9436f7b2503d5pressurewashersdirect manuals general c7fc62f2d8bf8786bfa9436f7b2503d5 srsItid

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Pumps Made Ready BY GENERAL PUMPPMREZ4040G 1 Hollow shaft with gas flange Quick coupler and plug included Maximum Flow: 4 GPM 4,000 PSI at 3,400 RPM PMRTSS1511 24 mm solid shaft Quick coupler and plug included Maximum Flow: 4 GPM 3,500 PSI at 1,450 RPM PMRET1507G6 3/4 Hollow shaft with... lang:en score:29 filesize: 2.56 M page_count: 2 document date: 2019-08-15