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> General Pump Triplex Pressure Washer Pump EP1812E17 Instruction Manual

## General Pump EP1812E17

# General Pump Triplex Pressure Washer Pump EP1812E17 Instruction Manual

Model: EP1812E17

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## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your General Pump Triplex Pressure Washer Pump, Model EP1812E17. Please read this manual thoroughly before installation or operation to ensure proper use and to prevent damage or injury.

The General Pump Triplex Pressure Washer Pump is designed for high-performance pressure washing applications, featuring a direct drive system, solid ceramic pistons, and premium bearings for durability and reliability.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions could result in serious injury or property damage.**

- Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and hearing protection, when operating or servicing the pump.
- Ensure the pump is securely mounted and all connections are tight before operation.
- Do not operate the pump without adequate water supply. Running dry can cause severe damage.
- Disconnect power before performing any maintenance or service.
- Keep children and pets away from the operating area.
- Do not direct the high-pressure spray at people, animals, or electrical equipment.
- Use only genuine General Pump replacement parts.

## 3. SETUP

### 3.1 Unpacking and Inspection

Carefully remove the pump from its packaging. Inspect for any signs of shipping damage. Report any damage to your supplier immediately.

### 3.2 Mounting the Pump

The pump is designed for direct drive electric motor applications. Ensure the mounting surface is stable and capable of supporting the pump's weight and operational forces.



**Figure 1:** General Pump Triplex Pressure Washer Pump, Model EP1812E17. This image shows the overall view of the pump with its brass manifold and black housing, ready for installation.

### 3.3 Water Inlet Connection

Connect a suitable water supply hose to the pump's inlet port. Ensure the water supply meets the pump's flow rate requirements (4 GPM minimum) and is filtered to prevent debris from entering the pump.

### 3.4 High-Pressure Outlet Connection

Connect the high-pressure hose to the pump's outlet port. Ensure all connections are sealed properly to prevent leaks.

### 3.5 Oil Fill

Before initial operation, ensure the pump crankcase is filled with the recommended oil to the correct level. Refer to the specifications section for oil type and capacity.



**Figure 2:** Side view of the General Pump Triplex Pressure Washer Pump, Model EP1812E17. This view highlights the electric flange connection point and the robust construction of the pump housing.

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## 4. OPERATING INSTRUCTIONS

### 4.1 Pre-Operation Checklist

- Verify all connections (water inlet, high-pressure outlet, power) are secure.
- Check oil level in the crankcase.
- Ensure adequate water supply is connected and turned on.
- Purge air from the system by allowing water to flow through the pump and out the high-pressure hose until a steady stream is observed.

### 4.2 Starting the Pump

Once the pre-operation checklist is complete, turn on the power to the electric motor. The pump will begin to pressurize the system.

### 4.3 During Operation

- Monitor the pump for unusual noises or vibrations.
- Ensure consistent water flow. Interruption of water supply can damage the pump.
- Do not allow the pump to run in bypass mode for extended periods, as this can lead to overheating.

### 4.4 Shutting Down the Pump

1. Turn off the power to the electric motor.
  2. Turn off the water supply.
  3. Relieve any residual pressure in the system by activating the spray gun or opening a valve.
  4. Disconnect hoses and drain the pump if storing in freezing temperatures.
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## 5. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your General Pump Triplex Pressure Washer Pump.

### 5.1 Oil Changes

Change the pump oil after the first 50 hours of operation, then every 3 months or 500 hours, whichever comes first. Use General Pump Series 100 oil or equivalent non-detergent pump oil.

### 5.2 Inlet Filter Cleaning

Regularly inspect and clean the inlet water filter to prevent debris from entering the pump and causing damage.

### 5.3 Seal and Valve Inspection

Periodically inspect seals and valves for wear or damage. Replace worn components promptly to maintain pump efficiency and prevent leaks.

### 5.4 Winterization

If storing the pump in an environment where temperatures may drop below freezing, it is essential to winterize it. Drain all water from the pump and flush with an anti-freeze solution designed for pressure washer pumps.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No pressure or low pressure	<ul style="list-style-type: none"><li>• Insufficient water supply</li><li>• Air in the pump</li><li>• Worn seals or valves</li><li>• Clogged inlet filter</li></ul>	<ul style="list-style-type: none"><li>• Check water supply and flow rate.</li><li>• Purge air from the system.</li><li>• Inspect and replace seals/valves.</li><li>• Clean inlet filter.</li></ul>
Pump making unusual noise	<ul style="list-style-type: none"><li>• Low oil level</li><li>• Air in the pump</li><li>• Loose components</li><li>• Damaged bearings</li></ul>	<ul style="list-style-type: none"><li>• Check and add oil.</li><li>• Purge air from the system.</li><li>• Inspect and tighten all connections.</li><li>• Contact qualified service personnel.</li></ul>
Oil leaking from pump	<ul style="list-style-type: none"><li>• Worn oil seals</li><li>• Loose bolts</li></ul>	<ul style="list-style-type: none"><li>• Replace oil seals.</li><li>• Tighten crankcase bolts.</li></ul>

## 7. SPECIFICATIONS

Feature	Detail
Model Number	EP1812E17
Brand	General Pump

Feature	Detail
Pump Type	Triplex Plunger Pump
Maximum Flow Rate	4.0 Gallons Per Minute (GPM)
Maximum Pressure	3045 PSI
Drive Type	Direct Drive, Electric Flange
Piston Material	Solid Ceramic
Bearings	Premium
Crankshaft	Oversized Forged
Material	Metal (Brass manifold, other components)
Item Weight	15.4 Pounds
UPC	682491066125
ASIN	B00DS5OOD8

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

General Pump products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official General Pump website. Keep your proof of purchase for warranty claims.

### 8.2 Customer Support

For technical assistance, parts, or service inquiries, please contact your authorized General Pump dealer or visit the General Pump official website for contact information. When contacting support, please have your pump's model number (EP1812E17) and serial number available.