

YAMATIC 10P2923VA

YAMATIC 7/8" Shaft Vertical Pressure Washer Pump Instruction Manual

Model: 10P2923VA

1. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before installing, operating, or performing maintenance on the YAMATIC pressure washer pump. Failure to follow these instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment, including safety glasses and sturdy clothing, when operating or working near the pressure washer.
- Ensure the pump is used only with clean, filtered water to prevent damage and ensure optimal performance.
- Operate gasoline engines in well-ventilated areas only to avoid carbon monoxide poisoning. Never run the engine indoors.
- Keep children and pets away from the pressure washer during operation and maintenance.
- Before any installation or maintenance, ensure the pressure washer engine is turned off and cooled down, and the spark plug wire is disconnected to prevent accidental starting.
- Always relieve pressure in the system before disconnecting hoses or performing any service.

2. PRODUCT OVERVIEW

The YAMATIC 7/8" Shaft Vertical Pressure Washer Pump is designed as a replacement unit for various power washers. It features a rear inlet/outlet configuration, delivering up to 3000 PSI and 2.5 GPM, suitable for a range of cleaning tasks.



Figure 2.1: YAMATIC 7/8" Shaft Vertical Pressure Washer Pump and included accessories.

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PRE-SEALED

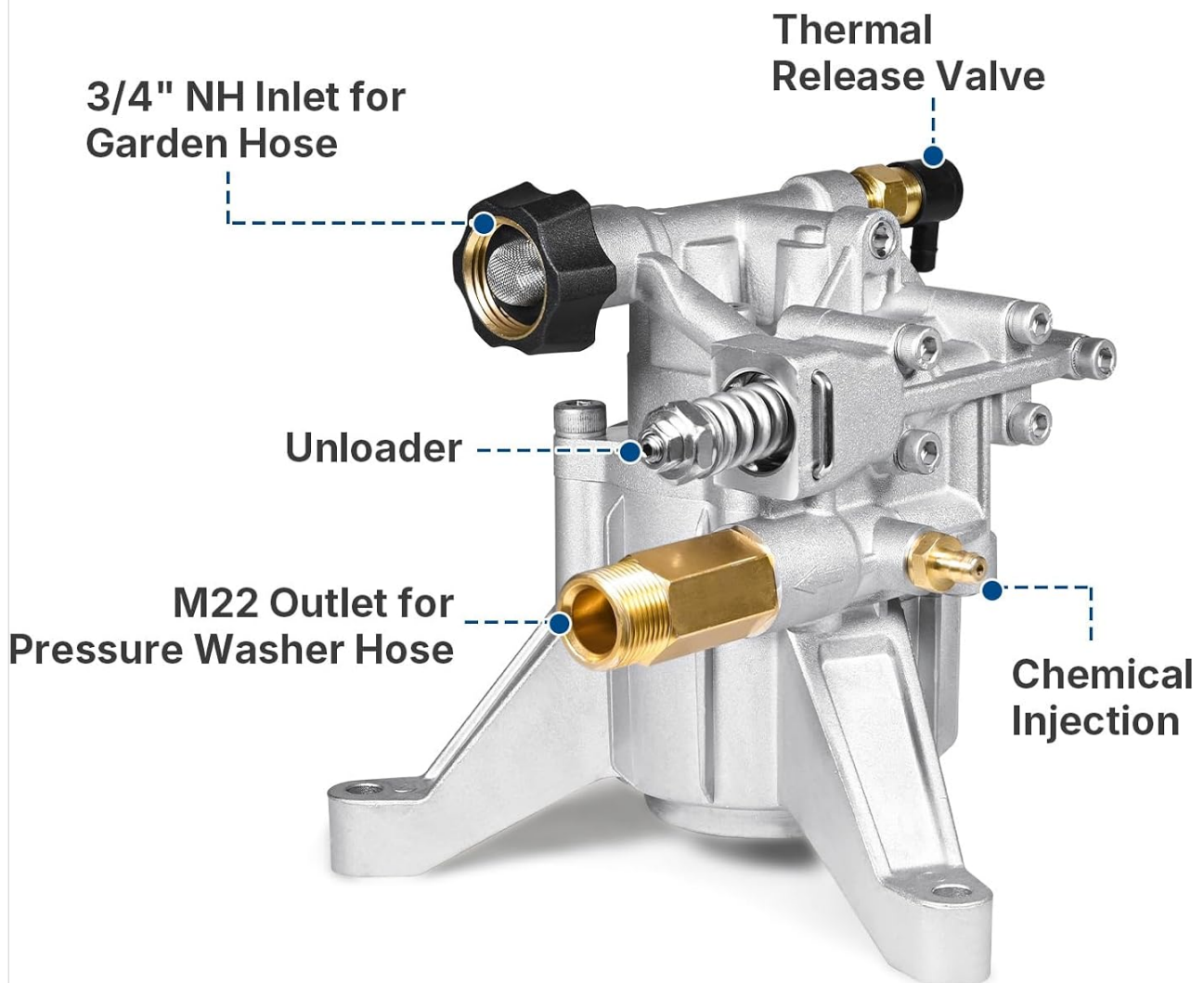


Figure 2.2: Labeled components of the YAMATIC pressure washer pump.

3. COMPATIBILITY

This pump is compatible with many pressure washer brands and models featuring a 7/8" vertical shaft and a 180-196cc (6.5-7hp) engine with a rear outlet configuration. Specific compatible models include:

- **Honda:** GCV160, GCV190
- **Homelite:** UT80432A, UT80432, UT80993, 308653006, 308653058, 308653009, 308653093, 308653052, 308653078
- **Simpson:** ms60773, msv3024
- **Subaru:** ea190v
- **Ryobi:** RY803001, RY802800, RY802900, RY802723, RY802700A
- **Husky:** HU80911, HU80709A, HU80911A
- **Craftsman:** 580752500, 580752580, 580.752052, 580.752191

- **Briggs & Stratton:** 311553gs, 020441-0, 020442-0

Note:

- This pump is not compatible with pressure washers that have an idle down feature.
- While this pump can fit some front inlet/outlet engines, it may require rotating the pump 180 degrees and drilling new mounting holes in the engine frame. If this modification is not feasible, a front inlet/outlet specific pump should be used instead.

4. PACKAGE CONTENTS

Verify that all the following items are included in your package:

- YAMATIC Vertical Pressure Washer Pump
- Siphon tube with filter (for chemical injection)
- Mounting bolts
- Shaft key
- Washers (standard and thicker)
- Instruction booklet (this manual)

TECHNICAL SPECIFICATION

Power Washer Pump

Max Pressure (psi/bar)	3000/200
Max Flow Rate (gallon/min)	2.5 GPM
Type	Axial
Manifold	Aluminum Alloy
Crankcase	Aluminum Alloy
Bearing	Double Bearing
Lubrication	85W90 Pre-Sealed
Self suction	NO
Rated RPM	3400
Engine Type	Vertical
Inlet Connector	3/4"NH Garden Hose
Outlet Connector	M22x1.5-14mm
Unit Weight (lb)	5.95

* If you're not sure fit or not, just message us and we will confirm it for you!

Easy Start

INCLUDE



Pure Chemical Hose



Hardened Bolt & Washer



Keys

Thicker Washer

Figure 4.1: Technical specifications and included accessories.

5. INSTALLATION GUIDE

Follow these steps for proper installation of your new YAMATIC pressure washer pump:

5.1 Pre-Installation Checks

1. Ensure the engine is off, cool, and the spark plug wire is disconnected.
2. Verify your engine has a 7/8" vertical shaft.
3. Confirm the mounting dimensions of your pressure washer frame match the pump. Refer to Figure 5.1 for pump dimensions.

7/8"

Vertical Mounting Dimension

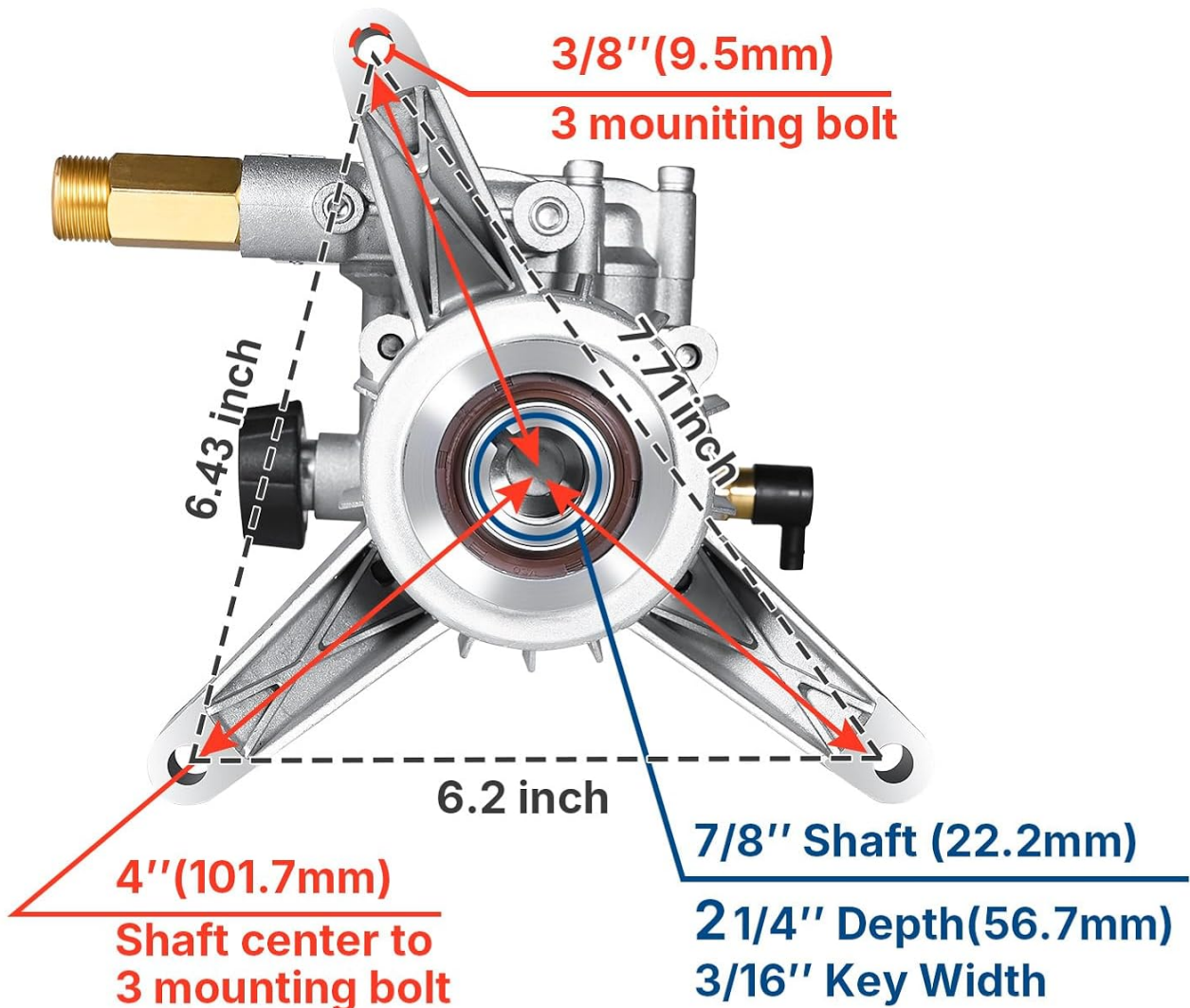


Figure 5.1: YAMATIC pressure washer pump mounting dimensions.

5.2 Mounting the Pump

1. Carefully align the pump's shaft with the engine's crankshaft.
2. Insert the provided shaft key into the keyway on the engine shaft, then slide the pump onto the shaft.
3. Align the pump's mounting holes with the corresponding holes on the pressure washer frame.
4. Secure the pump using the provided mounting bolts and washers. In some cases, spacers may be required between the pump and the frame for proper fitment. Ensure all bolts are tightened securely.
5. If your pressure washer has a front inlet/outlet engine, you may need to rotate the pump 180 degrees and potentially drill new mounting holes. This modification should only be attempted if you have the necessary tools and expertise.

REAR SIDE



FRONT SIDE



Installation Guide

This pump also fit for the front inlet/outlet engine, but you need to rotate it 180 degree and drill holes in the engine frame to install it correctly. If this is difficult for you, please choose a front inlet/outlet pump instead

Figure 5.2: Rear inlet (compatible) vs. front inlet (potential modification needed) configurations.

5.3 Connecting Hoses

1. Connect your garden hose to the 3/4" NH inlet on the pump. Ensure a tight, leak-free connection.
2. Connect your pressure washer hose to the M22x1.5-14mm outlet on the pump.
3. If using the chemical injection feature, connect the siphon tube with filter to the designated chemical injection port.

6. OPERATION

Once the pump is installed and hoses are connected, follow these steps to operate your pressure washer:

6.1 Starting the Pressure Washer

1. Ensure the water supply is turned on and flowing to the pump.
2. The YAMATIC pump features an easy start design, eliminating the need to release pressure before starting the engine.
3. Follow your pressure washer engine's starting procedure (e.g., choke, throttle, pull cord).

6.2 Adjusting Pressure

The pump is equipped with an adjustable unloader, allowing you to increase or reduce the pressure to suit your cleaning needs and the engine's requirements. Turn the unloader knob to adjust the pressure.

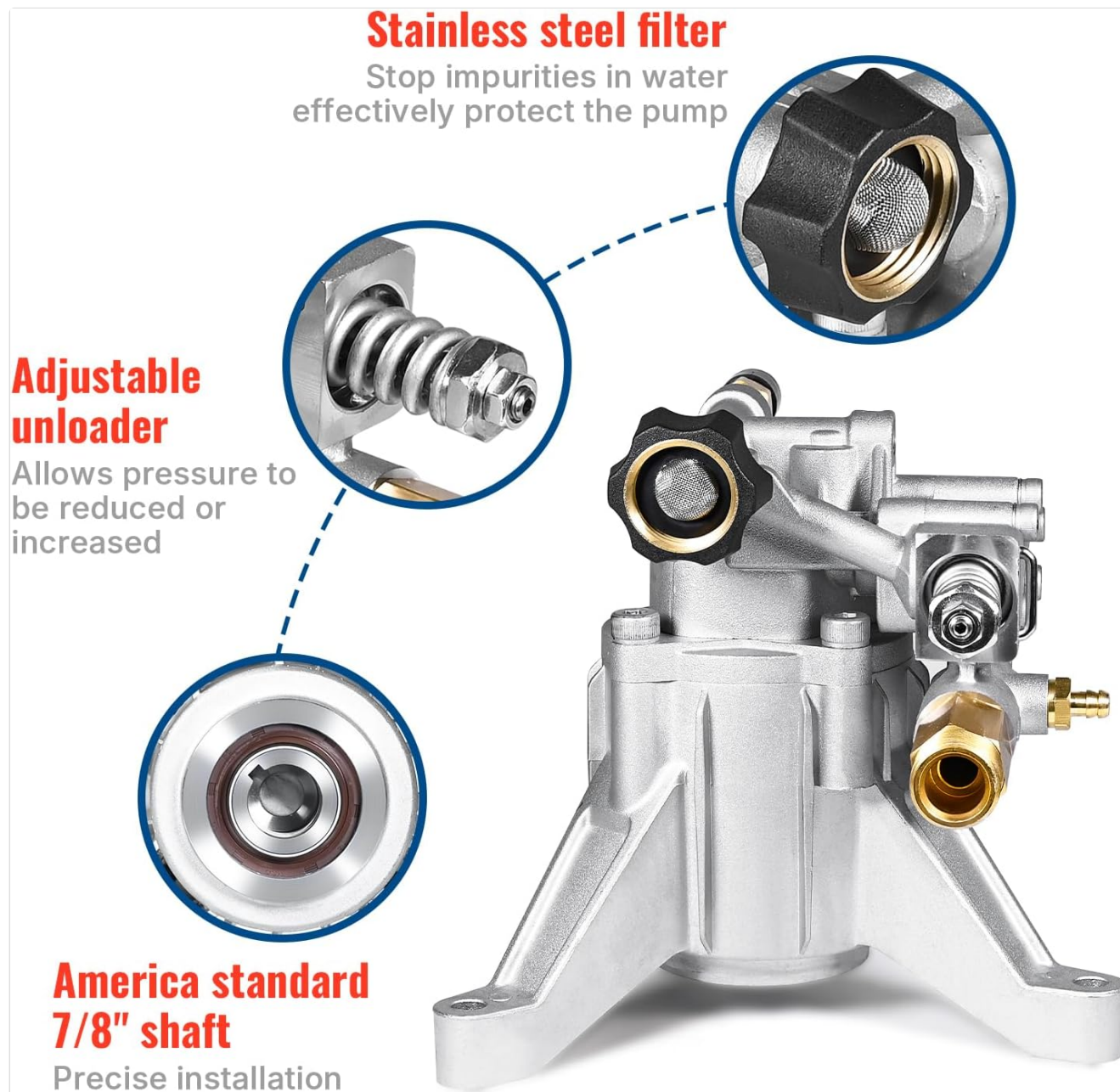


Figure 6.1: Adjustable unloader and stainless steel filter.



Figure 6.2: Pump in operation, demonstrating cleaning performance.

7. MAINTENANCE

The YAMATIC pressure washer pump is designed for minimal maintenance:

- **Maintenance-Free Crankcase:** This pump features a maintenance-free crankcase, meaning you do not need to change the oil.
- **Thermal Relief Valve (TRV):** The integrated TRV protects the pump from overheating when operating in bypass mode, extending the pump's lifespan.
- **Stainless Steel Filter:** The inlet is equipped with a stainless steel filter to prevent impurities from entering and damaging the pump. Regularly inspect and clean this filter to ensure proper water flow.
- **Winter Storage:** Before storing the pressure washer for winter or in freezing conditions, ensure all water is drained from the pump and hoses to prevent damage from freezing.

8. TROUBLESHOOTING

If you encounter issues with your YAMATIC pressure washer pump, refer to the following common troubleshooting

tips:

- **No Water Flow or Low Pressure:**
 - Ensure the water supply is fully open and the garden hose is not kinked.
 - Check the stainless steel inlet filter for clogs and clean if necessary.
 - If air is present in the garden hose, disconnect the hose from the pump, run water through it until no air comes out, then reconnect it to the pump.
 - Verify that the adjustable unloader is set correctly.
- **Pump Leaking:**
 - Check all hose connections for tightness.
 - Inspect O-rings and seals for wear or damage.
- **Engine Runs but Pump Does Not Build Pressure:**
 - Ensure the water supply is adequate and free of air.
 - Check for blockages in the inlet or outlet.
- **Difficulty Mounting:**
 - Confirm the shaft size and mounting pattern match your engine.
 - Some engine sumps may require longer bolts or shims for proper clearance.

If problems persist after attempting these troubleshooting steps, contact YAMATIC customer support for further assistance.

9. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	YAMATIC
Model Number	10P2923VA
Max Pressure	3000 PSI (200 bar)
Max Flow Rate	2.5 GPM
Shaft Type	7/8" Vertical
Rated RPM	3400 RPM
Inlet Connector	3/4" NH Garden Hose
Outlet Connector	M22x1.5-14mm
Manifold Material	Aluminum Alloy
Crankcase Material	Aluminum Alloy
Bearing Type	Double Bearing
Lubrication	85W90 Pre-Sealed
Self Suction	No

Specification	Value
Product Dimensions	7.1"L x 6.2"W x 6.9"H
Item Weight	6.4 Pounds

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official YAMATIC website. You can also visit the YAMATIC store on Amazon for additional product information and contact options.

[Visit the YAMATIC Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question