

## King Canada KPW-220

# King Canada KPW-220 20-Gallon Recirculating Parts Washer Instruction Manual

Model: KPW-220



## 1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and efficient operation, assembly, and maintenance of your King Canada KPW-220 20-Gallon Recirculating Parts Washer. Please read this manual thoroughly before initial use and retain it for future reference.

The King Canada KPW-220 is designed for cleaning various parts using a recirculating solvent system. Key features include:

- Safety lever with fusible link, designed to close the cover in case of fire.
- Thermally protected 110V motor and integrated on/off switch.
- Durable pump for effective solvent circulation.
- Three-way filtration system to trap grime and debris.
- Flexible flush hose for directed solvent flow to rinse parts.

Recommended parts washer liquids include PARRAFIN®, GISER®, GUNK®, KEROSENE, or DIESEL. Always refer to the solvent manufacturer's safety data sheet (SDS) for proper handling and disposal.

## 2. SAFETY INFORMATION

### General Safety Warnings:

- Always wear appropriate personal protective equipment (PPE), including safety glasses and chemical-resistant gloves, when operating the parts washer.
- Ensure the parts washer is placed on a stable, level surface in a well-ventilated area.
- Do not use flammable solvents with a flash point below 105°F (40.5°C). Refer to the solvent manufacturer's specifications.
- Keep the lid closed when the washer is not in use to prevent evaporation and reduce fire risk.
- Do not smoke or use open flames near the parts washer.
- Ensure the electrical supply matches the unit's requirements (110V, 1 Phase, 60Hz).

- Never leave the parts washer unattended during operation.
- Disconnect power before performing any maintenance or cleaning.
- Dispose of used solvent and filters according to local environmental regulations.

### 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon unpacking:

- Parts Washer Basin with Lid
- Stand Assembly (legs and shelf)
- Recirculating Pump
- Flexible Flush Hose
- Small Parts Basket (if included)
- Hardware for Assembly
- Instruction Manual





Figure 1: King Canada KPW-220 20-Gallon Recirculating Parts Washer. This image shows the complete parts washer unit, including the basin, lid, flexible hose, and the stand with a lower shelf.

## 4. ASSEMBLY INSTRUCTIONS

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Assembly typically involves attaching the stand components and placing the washer basin onto the assembled stand. Follow these general steps:

1. **Assemble the Stand:** Attach the four legs to the lower shelf using the provided hardware. Ensure all bolts are securely tightened.
2. **Attach Basin to Stand:** Carefully lift the parts washer basin and place it onto the top frame of the assembled stand. Secure it with any provided fasteners.
3. **Install Pump and Hose:** Connect the recirculating pump to the designated port within the basin. Attach the flexible flush hose to the pump outlet. Ensure all connections are tight to prevent leaks.
4. **Electrical Connection:** Ensure the power cord is accessible and not pinched.

*Note: Specific assembly steps may vary slightly. Refer to any included diagrams or specific instructions provided in the packaging.*

## 5. SETUP

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Before operating the parts washer, ensure proper setup:

1. **Placement:** Position the assembled parts washer on a firm, level surface in a well-ventilated area, away from ignition sources.
2. **Fill with Solvent:** Open the lid and carefully pour the recommended cleaning solvent (e.g., Kerosene, Gunk) into the basin. Do not overfill; ensure the solvent level is below the maximum fill line, typically indicated inside the basin. The solvent capacity is 12 gallons for this 20-gallon unit.
3. **Power Connection:** Plug the parts washer into a grounded 110V, 1 Phase, 60Hz electrical outlet.
4. **Initial Check:** Inspect all connections for leaks and ensure the flexible hose is positioned correctly.

## 6. OPERATING INSTRUCTIONS

Follow these steps for safe and effective cleaning:

1. **Prepare Parts:** Remove any large debris or excessive grease from parts before placing them in the washer.
2. **Power On:** Flip the ON/OFF switch to the "ON" position. The pump will begin to circulate the solvent.
3. **Clean Parts:** Use the flexible flush hose to direct a stream of solvent onto the parts. For smaller items, place them in the parts basket. Use a brush (not included) if necessary to scrub stubborn grime.
4. **Rinse:** Allow cleaned parts to drip dry over the basin or use compressed air for faster drying.
5. **Power Off:** Once cleaning is complete, flip the ON/OFF switch to the "OFF" position.
6. **Close Lid:** Close the lid securely to prevent solvent evaporation and maintain safety.

## 7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your parts washer:

- **Solvent Replacement:** Replace the cleaning solvent when it becomes excessively dirty or its cleaning effectiveness diminishes. Frequency depends on usage.
- **Filter Cleaning/Replacement:** The three-way filtration system requires periodic cleaning or replacement of filters. Refer to the filter manufacturer's instructions. Dirty filters can reduce pump efficiency.
- **Basin Cleaning:** Periodically drain the solvent and clean the basin to remove sludge and debris buildup.
- **Pump Inspection:** Check the pump for any signs of wear, blockages, or leaks. Ensure the intake screen is clear.
- **Electrical Cord:** Inspect the power cord for damage. Do not use if the cord is frayed or damaged.

## 8. TROUBLESHOOTING

Address common issues with the following guide:

| Problem                         | Possible Cause                                                      | Solution                                                                                                                        |
|---------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Pump does not start.            | No power, faulty switch, motor thermal overload.                    | Check power connection and outlet. Ensure switch is ON. Allow motor to cool if it tripped due to overload.                      |
| Weak solvent flow.              | Low solvent level, clogged filter, clogged hose/nozzle, pump issue. | Add more solvent. Clean or replace filters. Clear any blockages in the hose or nozzle. Inspect pump for debris.                 |
| Solvent leaks.                  | Loose connections, damaged basin/hose.                              | Tighten all hose and pump connections. Inspect basin and hose for cracks or damage; replace if necessary.                       |
| Parts not cleaning effectively. | Dirty solvent, insufficient solvent flow, incorrect solvent type.   | Replace old solvent with fresh. Address weak flow issues (see above). Ensure appropriate solvent is used for the type of grime. |

If problems persist after attempting these solutions, contact King Canada customer support.

## 9. SPECIFICATIONS

| Feature                        | Specification            |
|--------------------------------|--------------------------|
| Model                          | KPW-220                  |
| Capacity                       | 20 Gallons               |
| Solvent Capacity               | 12 Gallons               |
| Motor                          | 0.25 AMP                 |
| Voltage                        | 110V, 1 Phase, 60Hz      |
| Basin Dimensions (L x W x H)   | 30-1/2" x 21-1/4" x 10"  |
| Height of Stand                | 24-1/2"                  |
| Product Dimensions (L x W x H) | 53.98 x 87.63 x 77.47 cm |
| Item Weight                    | 24.9 kg (54.9 lbs)       |
| Color                          | Red                      |
| Country of Origin              | China                    |

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact King Canada customer service. Keep your purchase receipt and product model number (KPW-220) readily available when contacting support.

**King Canada Contact Information:**

- Refer to the contact details provided with your product packaging or visit the official King Canada website.

