Kärcher 1.645-750.0

Kärcher BP 3200 Home Water System

Instruction Manual

Model: 1.645-750.0

1. Introduction

Welcome to the Kärcher BP 3200 Home Water System instruction manual. This document provides essential information for the safe and efficient operation, installation, and maintenance of your new home water system. The Kärcher BP 3200 Home Water System is engineered to provide a reliable and automatic water supply for various household applications, including washing machines and toilet flushing, by utilizing water from alternative sources such as cisterns or wells. Its design incorporates a fully automatic on/off function based on demand, an integrated pressure indicator, and thermal safety features to ensure optimal performance and peace of mind.

2. Safety Instructions

Always observe the following safety instructions to prevent personal injury and damage to the appliance.

- Before any maintenance or cleaning, always disconnect the appliance from the power supply.
- Do not operate the appliance if the power cord or plug is damaged. Have it replaced by a qualified electrician.
- This appliance is designed for pumping clear water only. Do not pump flammable, corrosive, or explosive liquids.
- Protect the appliance from frost. Drain the system completely if there is a risk of freezing temperatures.
- Ensure the installation area is well-ventilated and protected from direct sunlight and extreme temperatures.
- Keep children and unauthorized persons away from the operating appliance.

- Ensure all connections are secure and leak-free before operation.

3. Setup and Installation

The Kärcher BP 3200 Home Water System is designed for straightforward installation. Follow these steps for proper setup:

3.1 Unpacking and Inspection

- Carefully remove all components from the packaging.
- Inspect the appliance for any signs of damage during transit. Do not use if damaged.
- Ensure all listed components are present.

3.2 Placement

Place the pump on a stable, level surface. For enhanced stability and to minimize vibration, the pump legs can be screwed to the ground. Ensure there is adequate space around the unit for ventilation and access.



Image: Kärcher BP 3200 Home Water System, showing its compact design and connection points.

3.3 Water Connections

- Connect the suction hose to the pump's inlet. Ensure the suction hose is airtight to prevent air intake.
- Connect the pressure hose to the pump's outlet, leading to your household water system.
- The pump includes a check valve to prevent backflow.

3.4 Electrical Connection

- Connect the power plug to a properly grounded electrical outlet.
- Ensure the voltage matches the specifications of the pump (230 Volts DC).

3.5 Priming the Pump

- Before initial operation, fill the pump housing with water through the designated filling opening until it overflows.

- Close the filling opening securely.

4. Operating Instructions

The Kärcher BP 3200 Home Water System operates automatically once properly installed and primed.

4.1 Initial Start-up

- After priming and connecting, switch on the pump using the power switch.
- The pump will start and build up pressure in the system.

4.2 Automatic Operation

The household booster is fully automatic. It will turn on and off as needed, for example, when a faucet is opened, the toilet is flushed, or the washing machine is running. The integrated 19-liter pressure compensation tank helps maintain consistent pressure and reduces pump cycling.

4.3 Pressure Monitoring

The pump features a pressure indicator, allowing you to monitor the system pressure. Ensure the pressure remains within the recommended operating range (max. 3.6 bar).

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Kärcher BP 3200 Home Water System.

- **Cleaning:** Periodically clean the exterior of the pump with a damp cloth. Do not use harsh detergents or solvents.
- **Check Connections:** Regularly inspect all hose connections and fittings for leaks. Tighten if necessary.
- **Frost Protection (Winterization):** If the pump is installed in an area subject to freezing temperatures, it must be completely drained to prevent damage. Disconnect the hoses and open any drain plugs to ensure all water is removed. Store in a frost-free environment if possible.
- **Filter Check:** If an inline filter is used with your suction hose, check and clean it regularly to prevent blockages and maintain flow rate.

6. Troubleshooting

This section addresses common issues you might encounter with your Kärcher BP 3200 Home Water System.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Pump does not start	No power supply Motor protection activated Air in pump	Check power connection and fuse Allow pump to cool down, then restart Re-prime the pump, ensure suction hose is airtight
Low or no water pressure	Insufficient water supply Suction hose leak Pump not primed correctly Blocked filter	Check water source level Check all suction connections for leaks Re-prime the pump Clean or replace any inline filters
Pump runs continuously	Leak in the pressure system Check valve malfunction	Inspect all pipes, connections, and appliances for leaks Check or replace the check valve
Unusual noise/vibration	Air in pump Loose mounting Foreign object in pump	Re-prime the pump Secure pump to the ground Contact Kärcher service

7. Specifications

Key technical specifications for the Kärcher BP 3200 Home Water System:

Feature	Specification
Brand	Kärcher
Model Number	1.645-750.0
Power Source	Corded Electric
Wattage	600 watts
Voltage	230 Volts (DC)
Maximum Flow Rate	3200 Liters Per Hour
Maximum Lifting Height	36 Meters
Suction Height	Max. 8 Meters
Maximum Pressure	3.6 bar
Product Dimensions (L x W x H)	17.28" x 10.59" x 20.35"
Item Weight	10.68 Kilograms (23.5 pounds)
Material	Stainless Steel
Color	Yellow, Black

8. Warranty and Support

For detailed warranty information regarding your Kärcher BP 3200 Home Water System, please refer to the separate warranty document provided with your purchase. You can also find comprehensive warranty terms and conditions on the official Kärcher website.
Should you require technical assistance, spare parts, or service for your appliance, please contact Kärcher customer service. Contact details, including phone numbers and online support options, are available on the Kärcher website or within your product packaging. When contacting support, please have your model number (1.645-750.0) and purchase information ready.

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