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Kärcher 6.997-359.0

Kärcher 6.997-359.0 Pump Connection Piece User Manual

Model: 6.997-359.0

1. Introduction

This manual provides essential information for the safe and effective use of your Kärcher 6.997-359.0 Pump Connection Piece. This accessory is designed for the vacuum-tight connection of suction hoses to various water pumps, including garden pumps, domestic water automatons, and domestic waterworks. It offers a precise solution for pumps with a G1 connection thread (33.3mm) and is compatible with both 3/4 inch and 1 inch hoses.
The package includes a union nut, a hose clamp, a flat gasket, and a check valve. The check valve is specifically recommended for use with submersible pumps or pressure submersible pumps to prevent water backflow. For other applications, the flat gasket should be used instead of the check valve to ensure a proper seal.

2. Safety Information

Always read and understand all instructions before installing or using this product. Failure to follow these instructions could result in property damage or injury.

- Ensure all connections are tight and secure to prevent leaks and maintain vacuum integrity.
- Do not overtighten components, as this may cause damage to the threads or materials.
- Verify compatibility with your pump's connection thread (G1 / 33.3mm) and hose size (3/4" or 1").
- When working with water pumps, always disconnect power before performing any installation or maintenance.
- Keep small components away from children.

3. Package Contents

Please check that all items are present and undamaged upon opening the package.

- 1x Pump Connection Piece
- 1x Union Nut
- 1x Hose Clamp
- 1x Flat Gasket
- 1x Check Valve



Figure 3.1: Overview of all included components.

4. Setup and Installation

Follow these steps to properly install the pump connection piece to your pump and hose.

4.1 Preparing the Connection Piece

1. Determine whether your application requires the **check valve** or the **flat gasket**.
    - Use the **check valve** (Figure 4.1) for submersible pumps or pressure submersible pumps to prevent water backflow. Ensure the "UP" arrow on the check valve faces upwards or towards the pump's inlet.
    - Use the **flat gasket** (Figure 4.2) for all other applications to ensure a vacuum-tight seal.
2. Insert the chosen component (check valve or flat gasket) into the larger threaded end of the pump connection piece. Ensure it sits flush.



Figure 4.1: Check Valve. Note the "UP" marking for correct orientation.



Figure 4.2: Flat Gasket (left of the connection piece). This image also shows the main connection piece and a clear plastic component, likely part of the packaging or another small accessory.

4.2 Connecting the Hose

3. Slide the hose clamp (Figure 4.3) over the end of your suction hose.
4. Push the suction hose firmly onto the ribbed end of the pump connection piece. Ensure the hose covers all the ribs for a secure fit.
5. Position the hose clamp over the hose where it covers the ribbed section of the connection piece. Tighten the hose clamp securely using a screwdriver until the hose is firmly gripped and cannot slip off. Do not overtighten.



Figure 4.3: Hose Clamp. Used to secure the hose to the connection piece.

4.3 Attaching to the Pump

6. Screw the union nut onto the G1 connection thread (33.3mm) of your pump's inlet. Ensure the connection piece, with the hose attached, is aligned correctly.
7. Hand-tighten the union nut until it is snug. A wrench may be used for a final quarter-turn to ensure a vacuum-tight seal, but avoid excessive force.

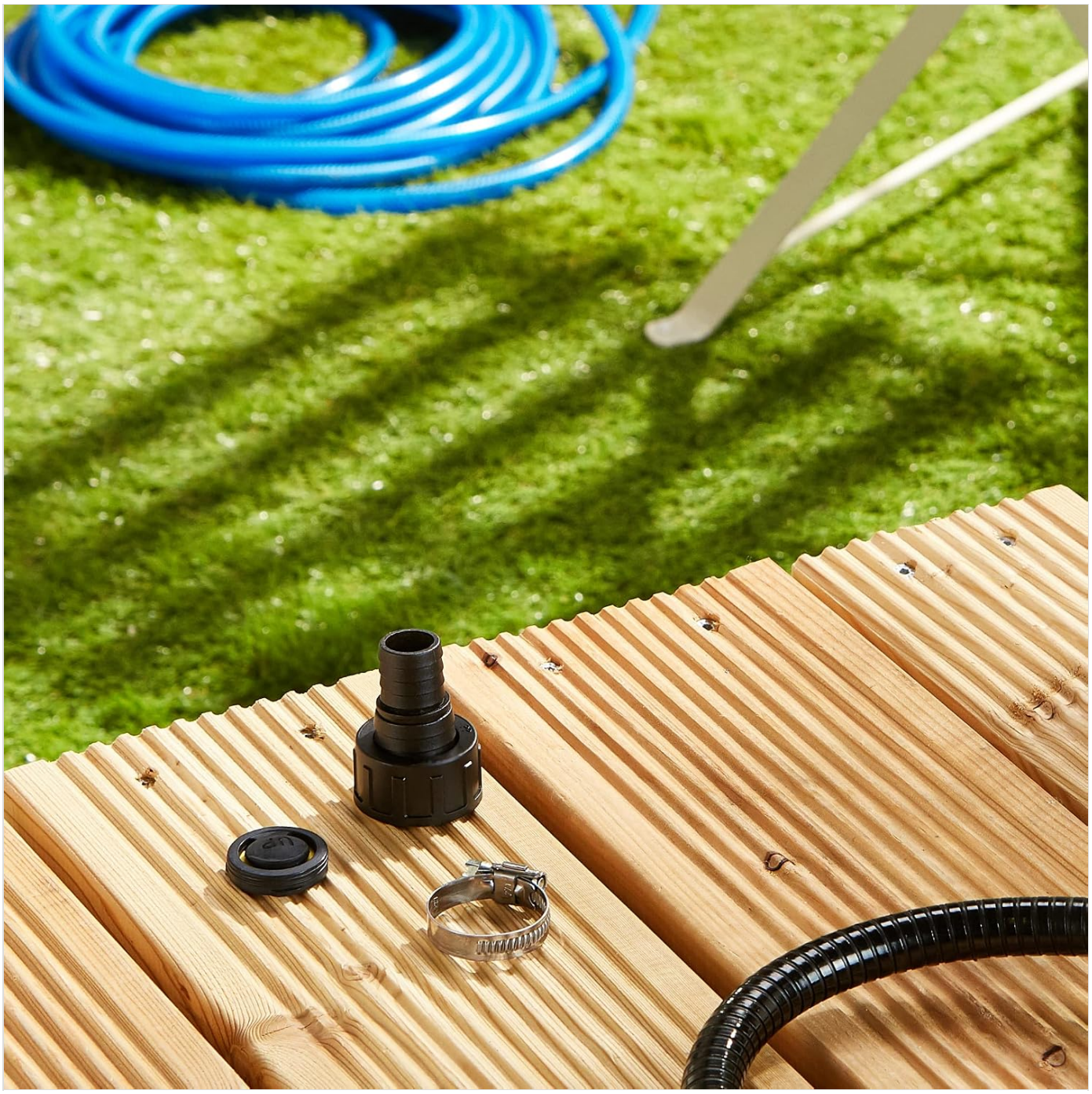


Figure 4.4: Components ready for installation on a wooden surface, showing the typical environment for pump connections.

5. Operating Instructions

Once the Kärcher 6.997-359.0 Pump Connection Piece is securely installed, its operation is integrated with your water pump system. This accessory facilitates the efficient and vacuum-tight drawing of water.

- Ensure all connections are free from leaks before operating the pump.
- If using the check valve, it will automatically prevent water from flowing back into the pump when the pump is off, maintaining prime for subsequent operations.
- If using the flat gasket, it ensures a tight seal for continuous suction without backflow prevention.
- Refer to your specific pump's user manual for detailed operating procedures.

6. Maintenance

The Kärcher 6.997-359.0 Pump Connection Piece requires minimal maintenance. Regular inspection will ensure its

longevity and optimal performance.

- **Regular Inspection:** Periodically check all components for signs of wear, cracks, or damage, especially the gaskets and the hose clamp.
- **Cleaning:** If necessary, clean the connection piece with water and a mild detergent. Rinse thoroughly and allow to dry completely before reassembly.
- **Gasket Replacement:** If you notice any leaks or a loss of vacuum, inspect the flat gasket or check valve. Replace them if they appear worn or damaged.
- **Storage:** When not in use for extended periods, disconnect the accessory, clean it, and store it in a dry, frost-free location away from direct sunlight.

7. Troubleshooting

If you encounter issues with your pump system that may be related to the connection piece, consider the following:

Problem	Possible Cause	Solution
Water Leakage at Connection	Loose union nut or hose clamp; Damaged gasket/check valve; Incorrect gasket/check valve used.	Tighten union nut and hose clamp; Inspect and replace gasket/check valve if damaged; Ensure correct component (flat gasket or check valve) is installed for your application.
Pump Loses Prime (Submersible/Pressure Submersible Pumps)	Check valve installed incorrectly (e.g., "UP" arrow facing down); Damaged check valve.	Verify check valve orientation ("UP" arrow towards pump inlet); Replace check valve if damaged.
Hose Detaches from Connection Piece	Hose clamp not tightened sufficiently; Incorrect hose size.	Re-tighten hose clamp securely; Ensure hose is 3/4" or 1" and fits snugly over the ribbed section.

8. Specifications

- **Model:** 6.997-359.0
- **Brand:** Kärcher
- **Compatible Hose Sizes:** 3/4 inch (approx. 19mm) and 1 inch (approx. 25mm)
- **Pump Connection Thread:** G1 (33.3mm)
- **Included Components:** Pump connection piece, union nut, hose clamp, flat gasket, check valve
- **Item Weight:** Approximately 0.04 kg (1.41 ounces)
- **Color:** Black

8.1 Compatible Kärcher Machines

This connection piece is compatible with a range of Kärcher pumps, including but not limited to:

- BP 2 Cistern, BP 2 Garden, BP 2 Garden Set Plus
- BP 3 Garden, BP 3 Garden Set Plus, BP 3 Home, BP 3 Home & Garden
- BP 4 Deep Well, BP 4 Garden Set, BP 4 Home & Garden
- BP 5 Home, BP 5 Home & Garden
- BP 6 Deep Well
- SP 1 Dirt, SP 2 Flat, SP 3 Dirt, SP 5 Dirt, SP 5 Dual

9. Warranty and Support

For information regarding warranty coverage, product registration, or technical support, please refer to the official Kärcher website or contact Kärcher customer service directly. Keep your proof of purchase for any warranty claims.

Kärcher Official Website: www.kaercher.com

For specific regional support, please visit the Kärcher website and navigate to your country's specific support page.

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