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> HORIGEN E4 Duckbill Valves Replacement Accessories Instruction Manual

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Model: E4 Duckbill Valves

PRODUCT OVERVIEW

These HORIGEN E4 Duckbill Valves are replacement accessories designed for the HORIGEN E4 Breast Pump. They are essential components that ensure proper suction and efficient milk flow during pumping sessions. Made from food-grade silicone, these valves are durable and designed for safe use.



Image: A close-up of the HORIGEN E4 Duckbill Valve. This image displays the transparent, flexible silicone material and the distinct duckbill shape, which functions as a one-way valve to control milk flow in the breast pump system.

SETUP AND INSTALLATION

Follow these steps to correctly install the duckbill valves into your HORIGEN E4 Breast Pump. Ensure all parts are clean and sterilized before assembly.

1. **Preparation:** Before handling, wash your hands thoroughly. Ensure all breast pump components, including the new duckbill valves, have been cleaned and sterilized according to the breast pump's main instruction manual.
2. **Disassembly (if replacing):** If replacing old valves, carefully disassemble your breast pump. This typically involves removing the motor unit, unscrewing the breast shield from the collection bottle, and detaching the old duckbill valve from the breast shield connector.
3. **Valve Placement:** Locate the small opening at the bottom of the breast shield connector where the duckbill valve attaches.
4. **Installation:** Gently push the stem of the new duckbill valve into this opening. Ensure the valve is fully seated and forms a tight, secure seal. The duckbill opening should point downwards, towards the collection bottle.
5. **Reassembly:** Reassemble the remaining breast pump components, ensuring all connections are snug to prevent air leaks and maintain optimal suction.

OPERATING PRINCIPLES

The duckbill valve is a critical component in your breast pump's milk collection system. Its primary function is to act as a one-way valve, allowing expressed milk to flow into the collection bottle while preventing it from flowing back into the breast shield or tubing. This mechanism is vital for maintaining consistent suction and efficient milk expression.

- **One-Way Flow:** The flexible silicone material of the duckbill valve opens under the pressure of expressed milk and closes tightly when suction is applied, ensuring milk only travels in one direction.
- **Suction Integrity:** A properly functioning duckbill valve is essential for maintaining the vacuum seal required for effective pumping. Any damage or improper seating can lead to a loss of suction.
- **Compatibility:** These valves are specifically designed for the HORIZEN E4 Breast Pump to ensure perfect fit and performance.

MAINTENANCE AND CARE

To ensure hygiene, optimal performance, and extend the lifespan of your HORIZEN E4 Duckbill Valves, follow these maintenance guidelines:

1. **Cleaning After Each Use:**
 - Disassemble all breast pump components that come into contact with milk, including the duckbill valves.
 - Wash the valves immediately in warm water with a mild dish soap.
 - Rinse thoroughly under clean running water to remove all soap residue.
 - Allow to air dry completely on a clean drying rack or paper towel. Avoid using cloth towels as they may leave lint.
2. **Sterilization:**
 - Sterilize the duckbill valves regularly, especially before first use and at least once daily.
 - Common sterilization methods include boiling in water for 5 minutes, using a steam sterilizer, or placing on the top rack of a dishwasher with a sanitizing cycle.
 - Always refer to your breast pump's main manual for specific sterilization recommendations.
3. **Inspection:**
 - Regularly inspect the duckbill valves for any signs of wear, such as tears, cracks, stretching, or discoloration.
 - A damaged valve can significantly reduce pump suction and efficiency. Replace valves immediately if any damage is observed.
 - It is recommended to replace duckbill valves every 2-3 months, or sooner if you notice a decrease in pump performance or visible wear.

Do not use abrasive cleaners, brushes, or sharp objects on the duckbill valves, as this can damage the delicate silicone and impair their function.

TROUBLESHOOTING

If you experience issues with your breast pump's performance, the duckbill valves are often a key area to check. Here are some common problems and their solutions:

Issue	Possible Cause	Solution
Low or No Suction	<ul style="list-style-type: none">• Valve not seated correctly.• Valve is torn, cracked, or stretched.• Milk residue preventing valve from closing.	<ul style="list-style-type: none">• Ensure the duckbill valve is pushed firmly and securely into the breast shield connector.• Inspect the valve for any visible damage. Replace immediately if damaged.• Clean the valve thoroughly to remove any blockages or residue.• Check other pump parts (e.g., diaphragm, tubing) for damage or improper assembly.
Milk Leaking from Valve Area	<ul style="list-style-type: none">• Valve not closing completely.• Valve is damaged or worn.	<ul style="list-style-type: none">• Ensure the valve is clean and free from any obstructions that might prevent it from sealing.• Inspect for tears or stretching. Replace the valve if it shows signs of wear.
Valve Appears Discolored or Sticky	<ul style="list-style-type: none">• Normal wear and tear.• Residue buildup.	<ul style="list-style-type: none">• This indicates it's time for replacement.• Ensure thorough cleaning after each use to prevent residue buildup.

SPECIFICATIONS

- **Product Name:** Duckbill Valves
- **Model Compatibility:** HORIGEN E4 Breast Pump
- **Material:** Food-Grade Silicone
- **Quantity:** 3 valves per pack
- **ASIN:** B0DGG5P74Q
- **Manufacturer:** HORIGEN

WARRANTY AND SUPPORT

HORIGEN products are manufactured to high-quality standards. These duckbill valves are replacement parts and their lifespan is dependent on usage and care. For specific warranty information regarding your HORIGEN E4 Breast Pump or its accessories, please refer to the original breast pump manual.

If you have any questions or require assistance with your HORIGEN E4 Duckbill Valves, please contact HORIGEN customer support. Contact details can typically be found on the HORIGEN official website or on your product packaging. Purchases made through Amazon may also be eligible for a 90-day return or replacement policy, subject to Amazon's terms and conditions.

