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› Pulsafeeder KX100-AAAA Pump Repair Kit User Manual

Pulsafeeder KX100-AAAA

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Model: **KX100-AAAA**

PRODUCT OVERVIEW

The Pulsafeeder KX100-AAAA Pump Repair Kit is designed to restore the functionality of compatible Chem-Tech pumps. This comprehensive kit includes essential components required for pump head maintenance and repair, ensuring optimal performance and longevity of your pumping system.

It is compatible with various manufacturer model numbers, including 2100-XA-AAAAXXX, X210-XA-AAAAXXX, X215-XA-AAAAXXX, X220-XA-AAAAXXX, X230-XA-AAAAXXX, X240-XA-AAAAXXX, X260-XA-AAAAXXX, and X280-XA-AAAAXXX, as well as Grainger Part Numbers 6KYE6, 6KYE7, 6KYE8, 6KYE9, 6KYF0, 6KYF1, 6KYF2, and 6KYF3.



An image showing the complete Pulsafeeder KX100-AAAA Pump Repair Kit, including the transparent pump head, black diaphragm, gray suction and discharge valve components, four silver screws, and a white O-ring. These components are essential for repairing and

maintaining the pump's functionality.

Kit Contents

The Pulsafeeder KX100-AAAA Pump Repair Kit typically includes the following components:

- **Head:** The main transparent pump head assembly.
- **Diaphragm:** A flexible membrane, typically made of PTFE, crucial for pump operation.
- **Suction Valves:** Components for the pump's inlet side.
- **Discharge Valves:** Components for the pump's outlet side.
- **Screws:** Fasteners required for assembling the pump head.
- **Washers:** Used with screws to ensure a secure and sealed assembly.

The material for key components like the diaphragm is PTFE, known for its chemical resistance and durability.

Installation (Setup)

This repair kit is intended for the replacement of worn or damaged components within your existing Pulsafeeder or compatible Chem-Tech pump. Proper installation is crucial for the pump's performance and longevity. It is recommended that installation be performed by qualified personnel.

General Installation Steps:

1. **Safety First:** Disconnect power to the pump and ensure all pressure is relieved from the system before beginning any work.
2. **Drain System:** Drain any fluid from the pump head and associated tubing.
3. **Disassembly:** Carefully remove the existing pump head assembly. Note the orientation and placement of all components as you disassemble.
4. **Component Replacement:** Replace the old diaphragm, head, suction valves, discharge valves, screws, and washers with the new components from the repair kit. Ensure all parts are seated correctly.
5. **Reassembly:** Reassemble the pump head, ensuring all screws are tightened evenly to prevent leaks. Refer to your pump's original manual for specific torque specifications if available.
6. **System Priming:** After reassembly, prime the pump according to the original pump's operating instructions before restoring power and resuming operation.
7. **Leak Check:** Carefully check for any leaks once the system is repressurized and operating.

For detailed, model-specific instructions, always refer to the original equipment manufacturer's manual for your pump.

Operating Considerations

Once the Pulsafeeder KX100-AAAA Pump Repair Kit has been successfully installed, the pump should operate as intended by the original manufacturer. This kit restores the integrity of the pump's fluid handling components.

- Ensure proper fluid levels and chemical compatibility with the PTFE components.
- Monitor pump performance for consistent flow and pressure.
- Listen for unusual noises that might indicate an issue.

The flow rate (maximum) is not applicable to the repair kit itself, as it depends on the specific pump model it is installed into.

Maintenance

Regular maintenance of your pump, including periodic inspection of the components replaced by this kit, can significantly extend the life of your system. While this kit provides new parts, the overall pump system requires ongoing care.

- **Routine Inspection:** Periodically inspect the pump head, diaphragm, and valve assemblies for signs of wear, chemical degradation, or leaks.
- **Cleaning:** If compatible with your system's fluid, occasional cleaning of the pump head and valve components can prevent buildup and maintain efficiency.
- **Component Replacement:** Replace components from this kit as needed, based on operational hours, fluid aggressiveness, or signs of wear.

TROUBLESHOOTING

If your pump experiences issues after installing the repair kit, consider the following common troubleshooting steps:

- **Leaks from Pump Head:**
 - Ensure all screws are tightened evenly and to the correct torque.
 - Verify the diaphragm is seated correctly and not pinched.
 - Check for any damage to the new head or diaphragm during installation.
- **No Flow or Reduced Flow:**
 - Confirm the pump is properly primed. Air in the system can prevent flow.
 - Inspect suction and discharge valves for proper seating or obstruction.
 - Check for blockages in the suction or discharge tubing.
- **Unusual Noise:**
 - Could indicate air in the system (cavitation). Re-prime the pump.
 - Ensure all components are securely fastened and not vibrating.

If issues persist, consult a professional technician or the original pump manufacturer's support resources.

SPECIFICATIONS

Attribute	Detail
Product Type	Pump Head Repair Kit
Model Number	KX100-AAAA
Brand	Pulsafeeder
Includes	Diaphragm, Head, Screws, Suction and Discharge Valves, Washers
Material	PTFE (for diaphragm)
Product Dimensions	1 x 1 x 1 inches
Item Weight	8.8 ounces
Manufacturing Origin	Made in Taiwan
Flow Rate (Maximum)	Not Applicable (depends on pump)

Tubing Connection Size	Not Applicable
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WARRANTY INFORMATION

Specific warranty details for the Pulsafeeder KX100-AAAA Pump Repair Kit are not provided in the available product data. For information regarding warranty coverage, terms, and conditions, please refer to the official Pulsafeeder website or contact their customer support directly.

CUSTOMER SUPPORT

For technical assistance, inquiries about product compatibility, or further support regarding the Pulsafeeder KX100-AAAA Pump Repair Kit, please contact Pulsafeeder customer service. Contact information can typically be found on the official Pulsafeeder website or through your product distributor.

