

HNZXIB SS-90G

HNZXIB Closed Loop Extractor SS-90G Instruction Manual

Model: SS-90G | Brand: HNZXIB

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your HNZXIB Closed Loop Extractor SS-90G. This 1.5-inch double-layer stainless steel vacuum chamber/tube with a 90-gram capacity and tripod is designed for plant material extraction. Please read this manual thoroughly before use to ensure proper function and longevity of the equipment.

PRODUCT OVERVIEW

The HNZXIB Closed Loop Extractor SS-90G is a robust system constructed from 304 food-grade stainless steel, ensuring durability and preventing contamination of raw materials. Key features include:

- **Sufficient Capacity:** 90g capacity (volume after compressing the material) double-layer stainless steel tube. Hot and cold reactants can be added to the outer layer.
- **Upgraded Configuration:** Features a food-grade stainless steel ball valve for enhanced robustness and pressure resistance. An additional vacuum gauge allows for convenient observation of reaction vacuum levels. The upgraded detachable tripod bracket offers flexible fixing methods.
- **Additional Accessories:** Includes 2x 150 micron filters, 3x gaskets, 1x sealing tape, and 1x silicone pad.
- **Material:** Made from 304 food-grade stainless steel, easy to clean and maintain.



Image: HNZXIB Closed Loop Extractor SS-90G components displayed. This image shows the main extractor tube, valves, pressure gauge, clamps, and tripod legs, along with gaskets, filters, sealing tape, and a silicone pad.

SETUP INSTRUCTIONS

Follow these steps to assemble your HNZXIB Closed Loop Extractor SS-90G. Ensure all components are clean and free from debris before assembly.

1. **Prepare Components:** Lay out all parts, including the main tube, valves, pressure gauge, clamps, tripod legs, gaskets, and sealing tape.
2. **Assemble Valves and Gauge:** Attach the ball valves and vacuum gauge to their respective tri-clamp fittings. Ensure gaskets are properly seated for a tight seal.
3. **Attach Tripod Legs:** Securely attach the three tripod legs to the bottom tri-clamp fitting using the provided clamps and tools. Ensure the legs are evenly spaced for stability.
4. **Connect Top Assembly:** Place a gasket on the top flange of the main tube. Carefully align and attach the top assembly (with valve and pressure gauge) to the main tube using a tri-clamp. Tighten the clamp securely.
5. **Connect Bottom Assembly:** Place a gasket on the bottom flange of the main tube. Carefully align and attach the bottom assembly (with valve and tripod legs) to the main tube using a tri-clamp. Tighten the clamp securely.
6. **Final Check:** Verify all connections are tight and secure. Ensure the tripod provides a stable base for the extractor.

Your browser does not support the video tag.

Video: Closed Loop Extractor Installation Guide (Duration: 5:35). This video demonstrates the step-by-step assembly process for the HNZXIB Closed Loop Extractor, including attaching valves, the pressure gauge, and the tripod legs to the main chamber.

Parts display



Image: Detailed view of HNZXIB Closed Loop Extractor SS-90G components, including the main tube, valves, pressure gauge, clamps, and tripod legs, along with gaskets, filters, sealing tape, and a silicone pad.

OPERATING INSTRUCTIONS

Operating a closed-loop extractor requires careful attention to safety and procedure. This section provides general guidance. Always refer to specific solvent handling guidelines and local regulations.

1. **Load Material:** Ensure the material to be extracted is properly prepared and loaded into the extraction column.
2. **Connect Solvent Tank:** Connect the solvent tank to the appropriate inlet on the extractor.
3. **Vacuum and Pressure Check:** Use the vacuum gauge to ensure the system is sealed and can hold a vacuum. This is crucial for safe operation.
4. **Solvent Introduction:** Slowly introduce the solvent into the extraction column. Monitor pressure and flow.
5. **Extraction Process:** Allow sufficient time for the solvent to interact with the material.
6. **Collection:** Open the appropriate valves to collect the extracted solution into a recovery tank.
7. **Solvent Recovery:** Initiate the solvent recovery process, typically involving heating the collection vessel and

condensing the solvent back into the solvent tank.

8. **Product Retrieval:** Once solvent recovery is complete, safely open the system to retrieve the extracted product.

Important Safety Note: Operating closed-loop extraction systems involves handling flammable and pressurized materials. Always operate in a well-ventilated area, wear appropriate personal protective equipment (PPE), and ensure all connections are leak-free. Consult with experienced professionals and adhere to all safety protocols and local regulations.



Image: Fully assembled HNZXIB Closed Loop Extractor SS-90G, ready for operation.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your HNZXIB Closed Loop Extractor SS-90G.

- **Cleaning:** After each use, thoroughly clean all components with appropriate cleaning agents to remove any residual material or solvent. Ensure all parts are dry before reassembly or storage.
- **Gasket Inspection:** Regularly inspect all gaskets for signs of wear, cracking, or damage. Replace worn gaskets immediately to maintain a proper seal and prevent leaks.

- **Valve Check:** Periodically check the ball valves for smooth operation and ensure they open and close completely.
- **Pressure Gauge Calibration:** If accuracy is critical, consider periodic calibration of the vacuum gauge.
- **Storage:** Store the extractor in a clean, dry environment when not in use.

TROUBLESHOOTING

This section addresses common issues you might encounter with your closed-loop extractor.

Problem	Possible Cause	Solution
Loss of Vacuum/Pressure	<ul style="list-style-type: none"> • Damaged or improperly seated gaskets. • Loose clamps. • Faulty valve. 	<ul style="list-style-type: none"> • Inspect and replace all gaskets. • Tighten all tri-clamps securely. • Check valve operation; replace if necessary.
Slow Extraction Rate	<ul style="list-style-type: none"> • Clogged filter. • Insufficient solvent flow. • Material packed too tightly. 	<ul style="list-style-type: none"> • Replace or clean filter. • Ensure solvent tank has adequate pressure/flow. • Repack material less densely.
Product Contamination	<ul style="list-style-type: none"> • Improper cleaning. • Damaged components. • Non-food grade materials used. 	<ul style="list-style-type: none"> • Thoroughly clean all parts before use. • Inspect for damage; replace components as needed. • Ensure only specified food-grade materials are used.

If you encounter issues not listed here or require further assistance, please contact HNZXIB customer support.

SPECIFICATIONS

Feature	Detail
Product Dimensions	13.4 x 15.7 x 26.8 inches
Item Weight	9.72 pounds
Manufacturer	HNZXIB
ASIN	B09FSVBTYS
Item Model Number	HNZXIB003
Date First Available	October 21, 2021
Capacity	90g (after compressing material)
Material	304 Food Grade Stainless Steel



Image: HNZXIB Closed Loop Extractor SS-90G with key dimensions labeled.

WARRANTY AND SUPPORT

The HNZXIB Closed Loop Extractor SS-90G comes with a **1-year warranty**. This warranty covers manufacturing defects and malfunctions under normal use conditions. Please note that gaskets, filters, and other consumable accessories are excluded from this warranty.

For any product issues or support inquiries, please contact HNZXIB customer service. We are committed to resolving any problems you may encounter.

Manufacturer: HNZXIB

Seller: Henan Zhuoxian Import & Export Trading Co., Ltd.



