

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

### Manuals.plus /

- › [XZT](#) /
- › XZT JY03 Hydraulic Breaker Nitrogen Gas Charging Kit User Manual

## XZT XZT-JY03

# XZT JY03 Hydraulic Breaker Nitrogen Gas Charging Kit User Manual

## 1. INTRODUCTION

---

The XZT JY03 Nitrogen Gas Charging Device is designed for the precise charging and pressure testing of nitrogen gas in hydraulic breaker hammers. This kit provides a reliable and user-friendly solution for maintaining optimal performance of your hydraulic equipment. Its compact design ensures ease of use and portability.

## 2. SAFETY INFORMATION

---

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when handling pressurized gas and hydraulic equipment.
- Ensure all connections are secure and leak-free before applying pressure.
- Do not use this device with oxygen or any gas other than nitrogen. Using incorrect gases can lead to dangerous situations, including explosions.
- Never exceed the maximum recommended pressure for your hydraulic breaker. Refer to your breaker's manual for specific pressure requirements.
- Keep the device away from heat sources and open flames.
- Store the kit in a cool, dry place when not in use.

## 3. PACKAGE CONTENTS

---

Verify that all components are present and undamaged upon opening the package:

- Nitrogen Gas Charging Device with Pressure Gauge
- High-Pressure Hose
- M10\*1 Thread Connector for Hydraulic Breaker
- CGA580 Thread Connector for Nitrogen Cylinder
- Compact Carrying Case

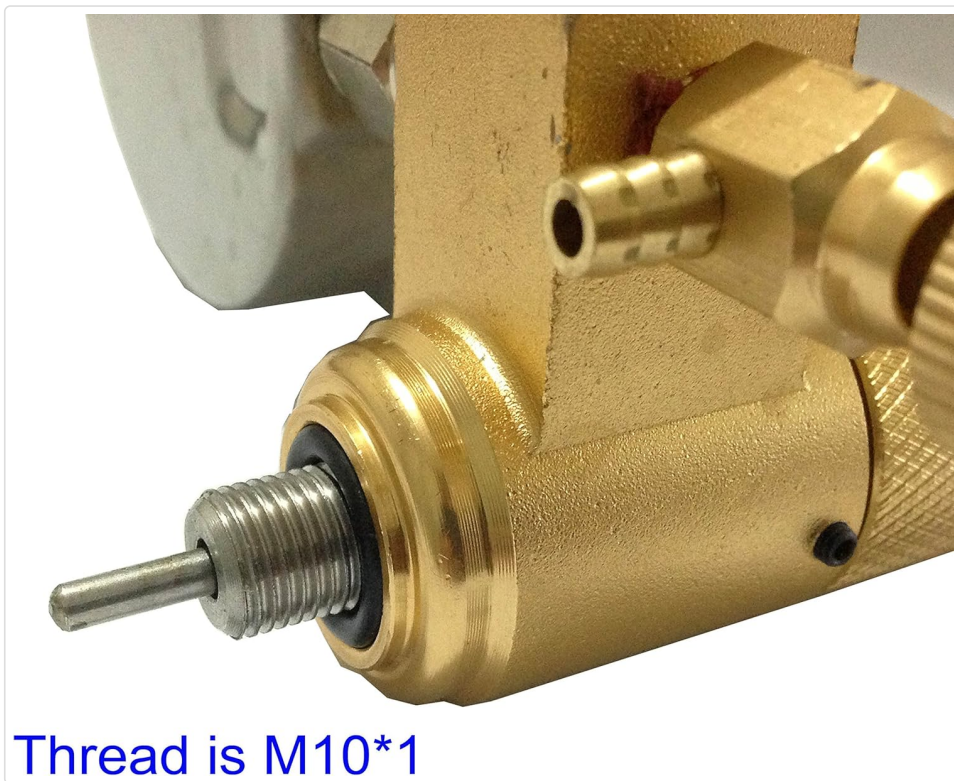
## 4. PRODUCT OVERVIEW

---

Familiarize yourself with the main components of the XZT JY03 charging kit.



*Figure 1: Overview of the XZT JY03 Nitrogen Gas Charging Kit, showing the pressure gauge, high-pressure hose, and connection points for the hydraulic breaker and nitrogen cylinder. The pressure adjusting knob is also visible.*



*Figure 2: Detailed view of the M10\*1 male thread connector, which connects to the hydraulic breaker. Ensure your breaker has a compatible M10\*1 female port.*

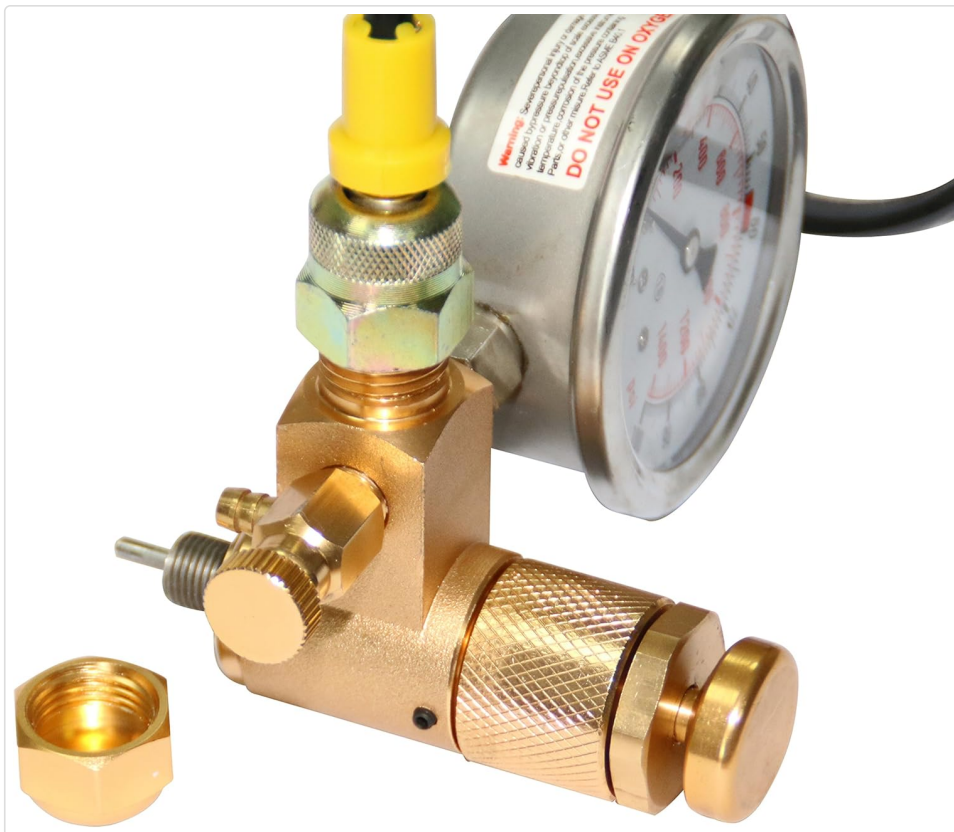


Figure 3: Close-up of the pressure gauge for monitoring nitrogen pressure and the pressure adjusting knob for fine-tuning gas flow.



Figure 4: The durable blue compact case provides convenient storage and transport for the XZT JY03 Nitrogen Gas Charging Kit.

## 5. SETUP INSTRUCTIONS

---

Follow these steps to set up the XZT JY03 Nitrogen Gas Charging Kit:

1. **Connect to Hydraulic Breaker:** Locate the nitrogen charging port on your hydraulic breaker. Carefully thread the M10\*1 connector (Figure 2) from the charging device onto the breaker's port. Ensure it is hand-tightened

securely to prevent leaks. *Note: Verify your breaker's port thread is M10\*1.*

2. **Connect to Nitrogen Cylinder:** Attach the CGA580 connector at the end of the high-pressure hose to your nitrogen gas cylinder. Tighten firmly with a wrench to ensure a gas-tight seal.
3. **Inspect Connections:** Before proceeding, visually inspect all connections for proper seating and tightness.

## 6. OPERATING INSTRUCTIONS

This section details how to charge nitrogen gas or test pressure in your hydraulic breaker.

1. **Open Nitrogen Cylinder Valve:** Slowly open the main valve on your nitrogen gas cylinder. The pressure gauge on the XZT JY03 device (Figure 3) will indicate the pressure in the system.
2. **Adjust Pressure:** Turn the pressure adjusting knob (Figure 3) clockwise to slowly increase the nitrogen gas flow into the hydraulic breaker. Monitor the pressure gauge carefully.
3. **Reach Desired Pressure:** Continue adjusting until the gauge displays the recommended operating pressure for your specific hydraulic breaker. Refer to your breaker's manufacturer specifications for the correct pressure.
4. **Close Nitrogen Cylinder Valve:** Once the desired pressure is reached, close the main valve on the nitrogen gas cylinder.
5. **Disconnect:** Slowly turn the pressure adjusting knob counter-clockwise to release any residual pressure in the hose. Once the gauge reads zero, carefully disconnect the CGA580 connector from the nitrogen cylinder and then the M10\*1 connector from the hydraulic breaker.

## 7. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your XZT JY03 kit:

- **Cleaning:** After each use, wipe down the device with a clean, dry cloth to remove any dirt or debris. Do not use harsh chemicals or solvents.
- **Storage:** Store the kit in its compact carrying case (Figure 4) in a clean, dry environment, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the hose and connectors for any signs of wear, cracks, or damage. Replace any damaged components immediately.
- **Gauge Calibration:** While the gauge is factory calibrated, if you suspect inaccuracies, consult a professional for calibration or replacement.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Gas leak at connections	Loose connections, damaged O-rings/seals, incorrect thread type.	Ensure all connections are tightened securely. Inspect O-rings and seals for damage and replace if necessary. Verify the hydraulic breaker port is M10*1.
Gauge not showing pressure	Nitrogen cylinder valve closed, faulty gauge, blockage in hose.	Ensure nitrogen cylinder valve is open. Check for kinks or blockages in the hose. If the issue persists, the gauge may be faulty and require replacement.

Problem	Possible Cause	Solution
Cannot achieve desired pressure	Nitrogen cylinder empty, pressure adjusting knob not fully open, leak in system.	Check nitrogen cylinder level. Ensure pressure adjusting knob is turned clockwise sufficiently. Inspect for leaks as described above.

## 9. SPECIFICATIONS

---

- **Model:** XZT-JY03
- **Manufacturer:** XZT Fluid Technology Ltd.
- **Thread Connection to Breaker:** M10\*1 (Male)
- **Thread Connection to Nitrogen Cylinder:** CGA580
- **Material:** Metal
- **Item Weight:** Approximately 1.52 pounds
- **Package Dimensions:** Approximately 6.18 x 5.31 x 3.39 inches

## 10. WARRANTY AND SUPPORT

---

For warranty information, technical support, or replacement parts, please contact XZT customer service through the retailer where the product was purchased or visit the official XZT website. Please have your model number (XZT-JY03) and purchase date available when contacting support.