

YESWELDER QB02

YESWELDER QB02 Welding Gas Regulator Flow Meter with Gas Hose User Manual

1. INTRODUCTION

This manual provides instructions for the safe and effective use of the YESWELDER QB02 Welding Gas Regulator Flow Meter with Gas Hose. This integrated unit combines a regulator and flow meter, designed for precise gas flow control in MIG/TIG welding, chemical processing, and general industrial applications. It is compatible with Argon, Helium, and Argon/CO₂ mixed gas tanks.

2. SAFETY INFORMATION

Always prioritize safety when working with compressed gases and welding equipment. Failure to follow safety guidelines can result in serious injury or property damage.

- Ensure the gas cylinder is securely fastened to prevent tipping.
- Always open the cylinder valve slowly to prevent sudden pressure surges.
- Never use oil or grease on regulator connections, as this can cause an explosion with oxygen.
- Check all connections for leaks using a leak detection solution (e.g., soapy water) before operation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Do not attempt to repair or modify the regulator. Contact qualified personnel for service.
- Ensure adequate ventilation in the work area.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x YESWELDER QB02 Argon Regulator Flow Meter
- 1 x 8.2ft Gas Hose
- 1 x Hose Clamp

- 1 x Mounting Nut

4. SPECIFICATIONS

Model Number	QB02
Inlet Connection	CGA-580 (.960"-14 RH Male)
Pressure Gauge Range	0-4000 PSI
Flow Rate Range	0-60 CFH (Cubic Feet per Hour)
Output Connection Options	Female 9/16" x 18 nut, Male 5/8" x 18 fitting, 1/4" barbed fitting
Hose Length	8.2 feet
Material	Copper construction
Item Weight	2.25 pounds

5. SETUP INSTRUCTIONS

5.1 Connecting the Regulator to the Gas Tank

1. Ensure the gas cylinder valve is closed.
2. Inspect the CGA-580 inlet nut on the regulator and the cylinder valve for any debris or damage.
3. Thread the CGA-580 inlet nut of the regulator onto the gas cylinder valve. Hand-tighten first, then use a wrench to secure it firmly. Do not overtighten.
4. Once connected, slowly open the gas cylinder valve. The pressure gauge on the regulator should indicate the cylinder pressure.



Image: Detailed view of the regulator's connection points, including the CGA-580 inlet and various output fittings.

5.2 Connecting the Gas Hose

The regulator offers three connection methods for the gas hose:

1. **1/4" Barbed Fitting:** For direct connection to a 1/4" hose. Secure with the provided hose clamp.
2. **Female 9/16" x 18 Nut:** For hoses with a male 9/16" x 18 fitting.
3. **Male 5/8" x 18 Fitting:** For hoses with a female 5/8" x 18 nut.

Select the appropriate connection method for your welding equipment and securely attach the 8.2ft gas hose. Ensure all connections are tight to prevent leaks.



Image: Visual guide to the three flexible connection methods for the gas hose.

Your browser does not support the video tag.

Video: An official YESWELDER video demonstrating the installation and use of the gas regulator.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Gas Flow Rate

1. After connecting the regulator and hose, ensure the gas cylinder valve is open.
2. Locate the flow adjustment knob on the regulator.
3. Slowly turn the adjustment knob to increase or decrease the gas flow. The floating ball in the square flow tube will indicate the current flow rate in CFH (Cubic Feet per Hour).
4. Adjust the flow rate according to your welding process requirements.

PRECISE MEASUREMENT



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Gas Pressure Error



Image: The precise measurement gauges and flow tube for accurate gas control.

6.2 Reading the Pressure Gauge

The large 1 1/2-inch diameter pressure gauge displays the cylinder pressure, with a measuring range of 0-4000 PSI. This allows for easy monitoring of the remaining gas supply.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your gas regulator.

- **Leak Checks:** Periodically check all connections for leaks using a soapy water solution. Bubbles indicate a leak. Tighten connections or replace seals as necessary.
- **Cleaning:** Keep the regulator clean and free from dust, dirt, and oil. Use a soft, dry cloth for cleaning. Do not use harsh chemicals.
- **Storage:** When not in use, store the regulator in a clean, dry environment, disconnected from the gas cylinder.
- **Filter Inspection:** The regulator features a full copper high-density macromolecule filter to remove impurities. While designed for efficiency, periodic inspection for excessive buildup is recommended.

HIGH QUALITY

full copper high density
macromolecule filter,
filter the impurities
in the gas more
efficiently



Image: The internal high-density macromolecule filter for gas purification.

8. TROUBLESHOOTING

If you encounter issues with your gas regulator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No gas flow or low flow	Cylinder valve closed; low cylinder pressure; clogged filter; flow adjustment knob closed.	Open cylinder valve; check cylinder pressure; inspect/clean filter; open flow adjustment knob.
Gas leak at connections	Loose connections; damaged seals/O-rings.	Tighten connections; replace damaged seals/O-rings.
Inaccurate pressure reading	Gauge malfunction; incorrect installation.	Ensure correct installation; if issue persists, contact customer support.

9. WARRANTY AND SUPPORT

The YESWELDER QB02 Welding Gas Regulator Flow Meter with Gas Hose comes with a **1-YEAR Warranty**. For any technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact YESWELDER customer support. **24/7 Customer Support** is available to assist you.

Please refer to the official YESWELDER website or your purchase documentation for detailed warranty terms and contact information.