BASO Gas Products LLC

Installation Instructions Y71
Issue Date April 26, 2019

Y71GF, Y71QH and Y71AA Top Adjust and Bottom Adjust Regulator Conversion Kits

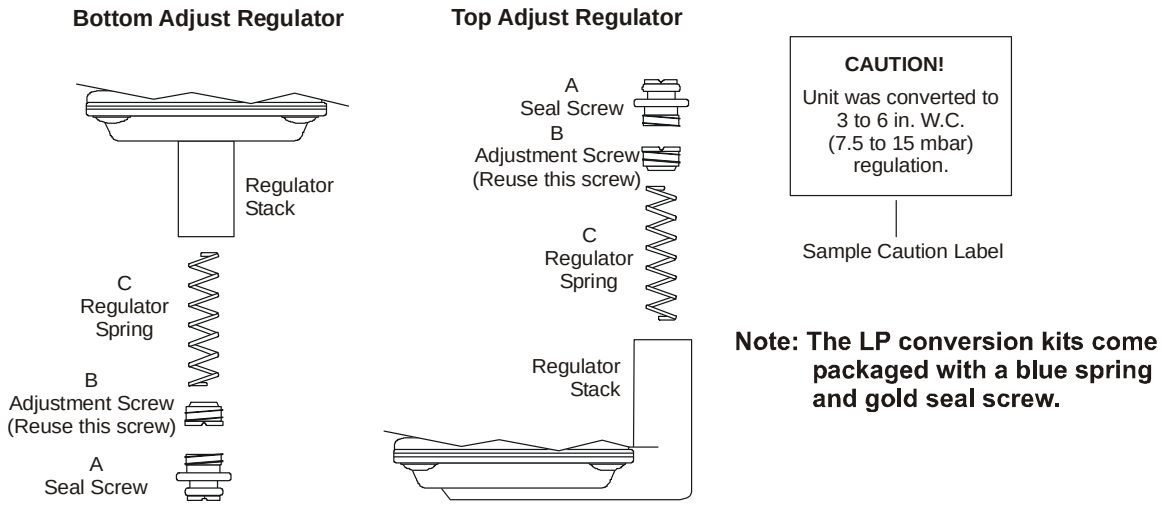

Figure 1: Regulator and Conversion Kit Parts

Applications

The Y71 Conversion kits allow the field conversion of the pressure regulator of a BASO Gas Products® G93, G96, G195, G196, BGC278, BGD278 or VLV gas valve.

The ranges of regulations are as follows:

- Bottom adjust regulators:
  3 to 6 in. W.C. (7.5 to 15 mbar)
  8 to 12 in. W.C. (20 to 30 mbar)
- Top adjust regulators:
  3 to 6 in. W.C. (7.5 to 15 mbar)
  6 to 12 in. W.C. (15 to 30 mbar)

The conversion kit contains the following:

- 1 regulator spring (C)
- 1 seal screw (A)
- 1 Caution label

Installation

IMPORTANT: Only qualified personnel should install or service BASO® Gas Products. These instructions are a guide for such personnel. Carefully follow all instructions in this document and all instructions for the appliance.

IMPORTANT: Make all gas installations in accordance with applicable local, national, and regional regulations.

CAUTION: Risk of Electric Shock.
Disconnect power supply before making electrical connections to avoid electric shock.

WARNING: Risk of Explosion or Fire.
Shut off the gas supply at the main manual shutoff valve before installing or servicing the valve. Failure to shut off the gas supply can result in the release of gas during installation or servicing, which can lead to an explosion or fire, and may result in severe personal injury or death.

To install the Y71 conversion kit into the gas valve:

1. Shut off the gas supply at the main manual shutoff valve.
2. Change the orifices of the main burner and the pilot burner to those recommended by the appliance manufacturer, based on gases used.
3. Remove the outlet pressure tap plug from the valve or manifold down stream of the valve and install a manometer.
4. Remove Seal Screw (A), Adjustment Screw (B), and Regulator Spring (C) from the regulator stack (Figure 1).

IMPORTANT: Do not reuse the seal screw or the regulator spring. However, the adjustment screw may be reused. Note that the new seal screw and regulator spring must be installed for proper regulation.

5. Insert the new regulator spring (C), supplied in the kit, into the regulator stack. Use care when handling to avoid deforming the spring.
6. Reinstall the adjusting screw (B) into the regulator stack.
7. Turn on the gas supply and set the thermostat to the highest setting.
8. Adjust the regulator to the manufacturer's specified setting by turning the adjusting screw (B) in the regulator stack. Turn clockwise to increase and counterclockwise to decrease.
9. After the regulator adjustment is completed and rechecked, install the new seal screw (A) into the regulator stack. Recheck setting.
10. Turn off the gas supply and set the thermostat to Off or the lowest setting. Disconnect the manometer and reinstall the pressure tap plug.

IMPORTANT: Place the adhesive-backed Caution label on the visible side of the valve, making sure the product label on the valve is not covered.

11. Using a felt-tipped pen, change the setting on the label, located on the valve adjacent to the regulator stack, to the new regulator setting
12. Turn on the gas supply and check for gas leaks using a soap solution.
13. Perform the *Checkout* section before leaving the installation.

Setup and Adjustments

Checkout

WARNING: Risk of Explosion or Fire.
Follow this or an equivalent checkout procedure after installation. Before leaving the installation, verify that the gas valve functions properly and that the system has no gas leaks. Gas leaks can lead to an explosion or fire, and may result in severe personal injury or death.

Make sure all components are functioning properly by performing the following test.

1. Open the main manual shutoff valve.
2. Test all joints and connections for leaks with a soap solution.
3. Close the main manual shutoff valve and wait at least 5 minutes for unburned gas to escape from the appliance, and then reopen the shutoff valve.
4. Turn on the main electrical power switch and close the thermostat contacts. The appliance should operate in accordance with the manufacturer's specified sequence of operation.
5. Turn the thermostat to a low dial setting to open the contacts. All burner flames should be extinguished. Repeat Steps 3 and 4 at least three times.
6. Return the thermostat to a normal setting before leaving the installation.

Performance specifications are nominal and conform to acceptable industry standards. All agency certification of BASO products is performed under dry and controlled indoor environmental conditions. Use of BASO products beyond these conditions is not recommended and may void the warranty. Product must be protected if exposed to water (dripping, spraying, rain, etc.) or other harsh environments. The original equipment manufacturer or end user is responsible for the correct application of BASO products. Consult BASO Gas Products LLC for questionable applications. BASO Gas Products LLC shall not be liable for damages or product malfunctions resulting from misapplication or misuse of its products.

Refer to the *Y71/GM-70 Regulator Conversion Kits Product Bulletin (BASO-PB-Y71/GM)* for necessary information on operating and performance specifications for this product.

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Published in U.S.A.