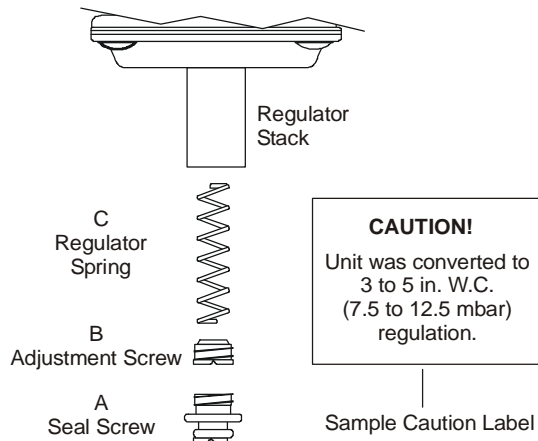




## GM-70-CNG Regulator Conversion Kit

### Applications



**Figure 1: Regulator and Conversion Kit Parts**

The GM-70-CNG conversion kit allows the field conversion of the pressure regulator of a BASO® Gas Products GM-7000 gas valve with a direct-acting regulator.

This conversion kit provides a range of regulation of 3 to 5 in. W.C. (7.5 to 12.5 mbar).

The conversion kit contains the following (Figure 1):

- regulator spring
- adjustment screw
- seal screw
- 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.



**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 GM-70-CNG 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.
3. Remove the outlet pressure tap plug from the valve or manifold downstream 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, supplied in the kit, into the regulator stack. Use care when handling to avoid deforming the spring.
6. Reinstall the adjustment screw into the regulator stack. If the original adjustment screw is misplaced or damaged, use the new adjustment screw provided.
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 adjustment screw in the regulator stack. Turn the screw clockwise to increase the setting and counterclockwise to decrease the setting.
9. After the regulator adjustment is completed and rechecked, install the new seal screw into the regulator stack. Recheck the settings.
10. Turn off the gas supply and set the thermostat to **Off** or to 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 leaks using a rich soap and water solution.

**Note:** Discard the adjustment screw that was not used, along with the original spring and seal screw.

## Setup and Adjustments

### Checkout

Refer to the checkout instructions supplied with the appliance. Before leaving the installation, observe at least three complete operating cycles to ensure that all components are functioning correctly.

*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.



BASO Gas Products LLC

450 East Horseshoe Road  
PO Box 170  
Watertown, WI 53094  
1-877-227-6427 (1-877-BASOGAS)

[www.baso.com](http://www.baso.com)  
Published in U.S.A.