

VA Series Instructions for Field Conversion to Propane



CAUTION: Read and understand this service bulletin thoroughly before starting. Only a trained, experienced service technician should attempt this service procedure.

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WARNING: This conversion kit shall be installed by a qualified service agency in accordance with the following instructions and all applicable codes and requirements of the authority having jurisdiction. If these instructions are not followed exactly, a fire, an explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of the conversion kit. The installation of the conversion kit is not proper and complete until the operation of the converted appliance is checked as specified in the appliance manufacturers instructions and the burner installation instructions.



DANGER: Before attempting service, turn off gas to burner and turn off power to burner and at burner disconnect switch. Failure to do so could result in personal injury or death.

Orifice Kit # (Model)	Nipple/ Orifice Part #	Nipple Size	Size	Qty
1495050 (V1)	2123-57	1" x 4"	.437	1
1495061 (V1)	2123-58	1" x 3"	.437	1
1495051 (V2)	2123-57	1" x 4"	.437	1
1495060 (V2)	2123-58	1" x 3"	.437	1
1495062 (V2)	2123-32	1" x 5"	.516	1
1495063 (V2)	2123-33	1" x 4"	.516	1
1495064 (V2)	2123-34	1" x 3"	.516	1
1495053 (V3) (V4)	2123-08	1-1/4" x 2"	.563	1
1495065 (V4)	2123-37	1-1/2" x 3-1/2"	.656	1
1495055 (V5) (V6)	2123-28	1-1/2" x 2-1/2"	.938	1
1495066 (V6)	2123-40	2" x 2-1/2"	.850	1
1495057 (V8)	2123-42	2" x 6-1/2"	.937	1
1495059 (V10)	2123-41	2" x 2-1/2"	1.093	1
All	2121-35	Label to cover specs		1
All	6237-00	Label to indicate propane		1
All	8416-47	Regulator Spring		1

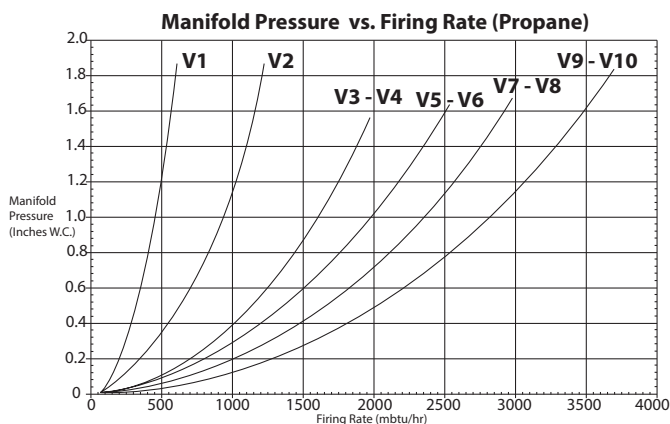


Chart 1 - Manifold Pressure (Inches W.C.) vs. Firing Rate (mbtu/hr)

1. Turn off burner electrical and gas supply.
2. Remove nipple upstream of the union (See Figure 1 on back page), and replace with the nipple and orifice supplied in the conversion kit. Ensure that the nipple is installed so that the orifice is closest to the burner. **IMPORTANT!** Refer to OEM manual, if available, for specific installation details.
3. Ensure there are no gas leaks and restore electrical and gas supply to burner.

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AVOID ERROR IN PARTS SELECTION. When ordering use complete MIDCO Part Number and Description. Furnish Burner Model Number, Bill of Material Number and Serial Number (if available) from the specification plate found on the product.

IMPORTANT: Availability of parts as well as specifications are subject to change without notice. Please consult factory for item availability.

SAFETY INFORMATION TERMS: The following terms are used to identify hazards, safety precaution of special notations and have standard meanings throughout this manual. They are printed in all capital letters using a bold type face as shown below, and preceded by the exclamation mark symbol. When you see the safety alert symbol and one of the safety information terms as shown below, be aware of the hazard potential.



DANGER: Identifies the most serious hazards which will result in severe personal injury or death.

WARNING: Signifies a hazard that could result in personal injury or death.

CAUTION: Identifies unsafe practices which would result in minor personal injury or product and property damage.



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4. Perform the initial start-up/adjustment procedures using *Chart 1*.
 5. To change the pilot regulator's spring, remove its center cap and back the adjustment screw all the way out (counter clock wise) until the adjusting screw is no longer retained by the threads. The spring will then be free to be changed to the provided brown spring and reinstalled.
- See *Figures 1 and 2*
6. Adjust pilot pressure to 1.0" w.c.
 7. Fill out tags/labels provided in conversion kit and attach/apply to burner and control box as shown in *Figure 3*.

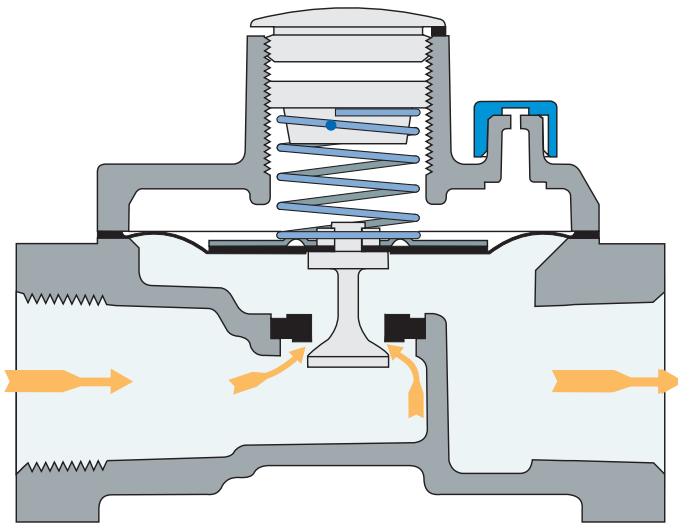


Figure 2 - Regulator Cut A-Way

Note: Diagram is a graphical representation only and may differ from actual product

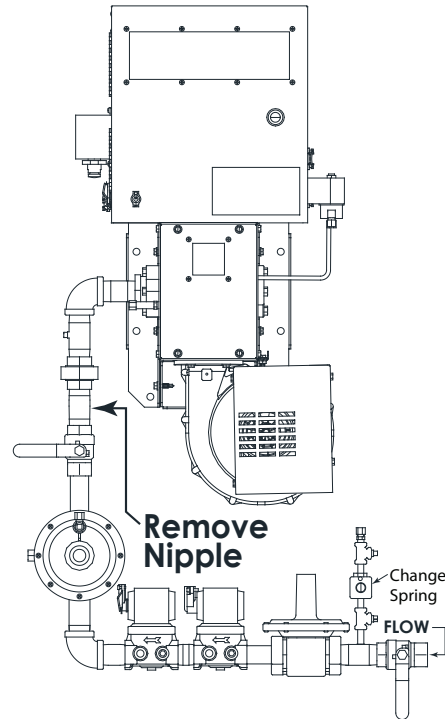


Figure 1 - Flow Direction

Unipower® VA Gas Burner

MODEL: _____

SERIAL NO.: _____

BILL OF MATERIAL: _____

CUSTOMER P/N: _____

MAXIMUM INLET PRESSURE: _____ W.C.

MINIMUM FIRING RATE: _____ BTU/HR

FIRING RATE: _____ BTU/HR

PRESSURE REQUIRED: _____ W.C.

MANIFOLD REQUIRED: _____ W.C.

MAXIMUM CAPACITY: _____ BTU/HR

PRESSURE REQUIRED: _____ W.C.

MANIFOLD REQUIRED: _____ W.C.

THIS UNIT WAS CONVERTED TO PROPANE ON (DATE): _____

6237-00 → **OF GAS** → **PROP**

Midco INTERNATIONAL

UL LISTED

CONTROLS [] [] [] [] []

MOTOR [] [] [] [] []

2121-35

Figure 3- Kit Label Placement -Covering Specs and Gas Type

