

Unipower® VA Series

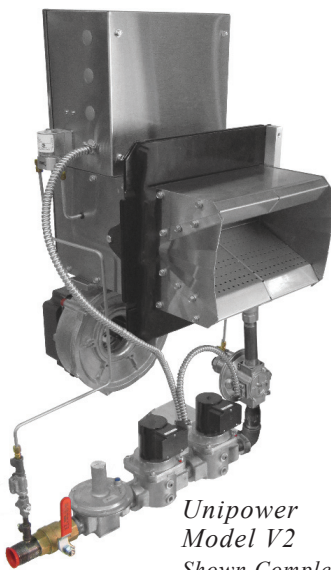
Power Gas Burners – Variable Air

★ **MADE** in the USA ★



Unipower® VA Series . . . The Midco Advantage

- 30 to 1 Turn Down
- Linkageless
- Modulation of Gas & Combustion Air
- Easy Fuel Air Adjustment
- Low Excess Air
- Quiet Operation
- Low CO Emissions
- Available Burner Sizes:
6" (V1) 670,000 BTUs to
36" (V10) 3,800,000 BTUs
- All Models UL/CUL Listed
- Factory Fire Tested
- Stainless Steel Construction
- Insertion Depth - up to 20 inches
- NFPA & Factory Mutual Options Available



Unipower
Model V2
Shown Complete

We also offer OEM versions of the VA Series burner

Midco Advantage Over the Competition:

Why buy a Midco Unipower VA burner over a competing product?

Here are the reasons why!

High Turn Down. The burner is capable of 30 to 1 turn down ratio. The capability of high turn down burners are well known for providing precise temperature control for heating and processing applications.

Linkageless. The **Unipower VA Series** burner is one of the easiest high-turn down burners to setup in the industry. There is no linkage to setup and complicated electronics to program.

Low Excess Air. The **Unipower VA Series** can operate as low as 7% excess air (1.5% O₂ at flue) at high fire with low CO emissions. This translates to energy saving and a lower carbon foot print. Usually, a commercial power burner requires 25% excess air for it to operate safely without creating high amounts of CO.

Robust Design. The **Unipower VA Series** burner is simple to setup and service. The burner is engineered with customer and service personnel in mind. The burner will be completely assembled, fire-tested and setup in factory so that the user will require very minimal effort to setup the burner.



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Quality Designed for Proven Performance



VA Series Capabilities

Reasons to Choose the Midco Unipower® VA Series

Energy Savings:

- Provides comfort for the end user
- Provides precise temperature setting controls without over or under heating
- Operates as low as 7% excess air (1.5% O₂ at flue) at high fire with low CO emissions
- No need to heat up the excess air that is not required in the combustion process; thereby reducing fuel consumption

Burner Capabilities - Features:

- Precise temperature control for heating and processing applications
- Less temperature fluctuation compared to an on-off system or conventional 3-1 or 10-1 modulating burners
- The easiest high-turn down burners to setup in the industry
- UL and CUL listed
- CO emission is well below US and European industry standards
- Stainless steel construction, essential for harsh environments
- Reduction of noise levels with the cast aluminum blower even at high fire
- Completely assembled and fire-tested for minimum customer effort

Model Number	Burner Bill of Material Number	Burner Control Voltage	Burner Firing Rate Min MBH ²	Burner Firing Rate Max MBH ²	Motor H.P.	Burner Size	Gas Pressure Req'd Max " W.C. ¹	Gas Conn. Pipe Size	Shipping Weight Approx
24 Volts									
V1	1405050	24 Volts	36	670	.32	6" Straight	10"	1"	Call Factory for Shipping Weights
V2	1410050	24 Volts	48	1260	.50	12" Straight	10"	1-1/4"	
120 Volts									
V1	1405052	120 Volts	36	670	.32	6" Straight	10"	1"	Call Factory for Shipping Weights
V2	1410052	120 Volts	48	1260	.50	12" Straight	10"	1-1/4"	
V3	1415051	120 Volts	80	2000	1.1	18" Straight	10"	1-1/2"	
V4	1420051	120 Volts	80	2000	1.1	Tee Section	10"	1-1/2"	
V5	1425051	120 Volts	100	2500	1.1	24" Straight	10"	2"	
V6	1430051	120 Volts	100	2500	1.1	Tee Section + 6" Section	10"	2"	
V7	1435050	120 Volts	120	3000	1.75	30" Straight	10"	2-1/2"	
V8	1440050	120 Volts	120	3000	1.75	Tee Section (2) 6" Section	10"	2-1/2"	
V9	1445050	120 Volts	150	3800	1.75	36" Straight	10"	2-1/2"	
V10	1450050	120 Volts	150	3800	1.75	Tee Section + Tee Section	10"	2-1/2"	

¹. Lower gas inlet pressure may be used when maximum input is not required.

². 1000 MBH = 1,000,000 BTU/Hr.



★ MADE in the USA ★

As an ISO 9001:2008 certified company, we proudly design, manufacture and assemble our products in Chicago, Illinois, USA.
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