

**SVG Super VersaTile Gas Burners**

Designed for applications that benefit from intensive combustion gas recirculation, increased efficiency, improved temperature uniformity and substantially reduced emissions, the SVG is offered in three separate series. The 100 series has full capacity at 16 osig (6,900 Pa) while the 200 series reaches the same capacity at an air inlet pressure of 8 osig (3,450 Pa). The 'E' series has the air pressure rating of the 200 series with metric air and gas connections.

The SVG burner family includes medium and high velocity tile options available in a variety of construction materials and configurations. SVG burners can be equipped with the options that best suit a customer's heating needs. The standard and high temperature models allow further tailoring of the burner to the application. The high temperature model uses higher grade heat resistant stainless steel internal components and gasket materials.

SVG burners reliably and dependably fire any standard clean industrial fuel gas over a wide operational range.

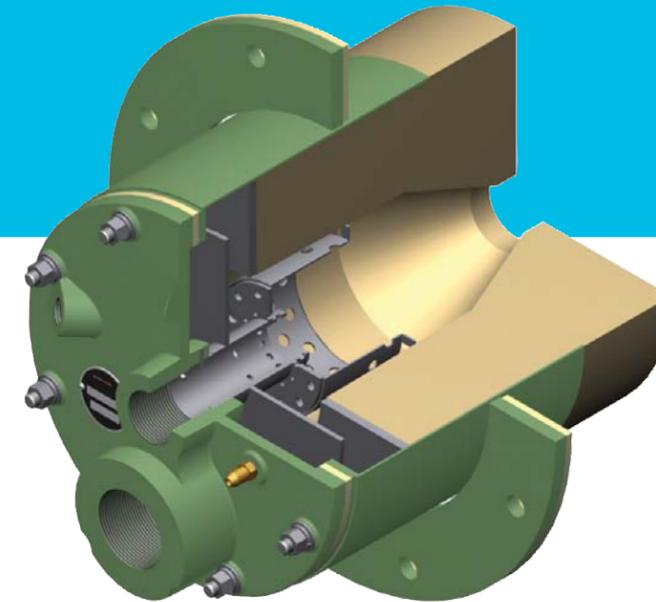
**Burner Performance.** The above chart illustrates the excellent stability and ignition characteristics of the SVG burner. Its ability to operate from very high excess air (XSA) to excess fuel (XSF) with a very high turndown range make it ideal for a variety of control schemes including pulse firing, on ratio modulation, fuel only modulation as well as a combination of these methods.



# SVG

Super VersaTile Gas Burner

SVG-1  
Edition 02-13



- The widest range of performance capabilities available in the industry
  - Low emissions design (NOx, CO, and VOCs)
  - High turndown capability
  - High excess air capacity
  - Direct spark ignition
- Model and option configurations to meet the combustion needs of your application
  - High and low combustion air pressure models
  - Ambient and preheated combustion air models
  - Combustion tile velocity and materials options
  - US standard or metric air and fuel connections

For additional information on this product, visit our website at:

[www.hauckburner.com](http://www.hauckburner.com)

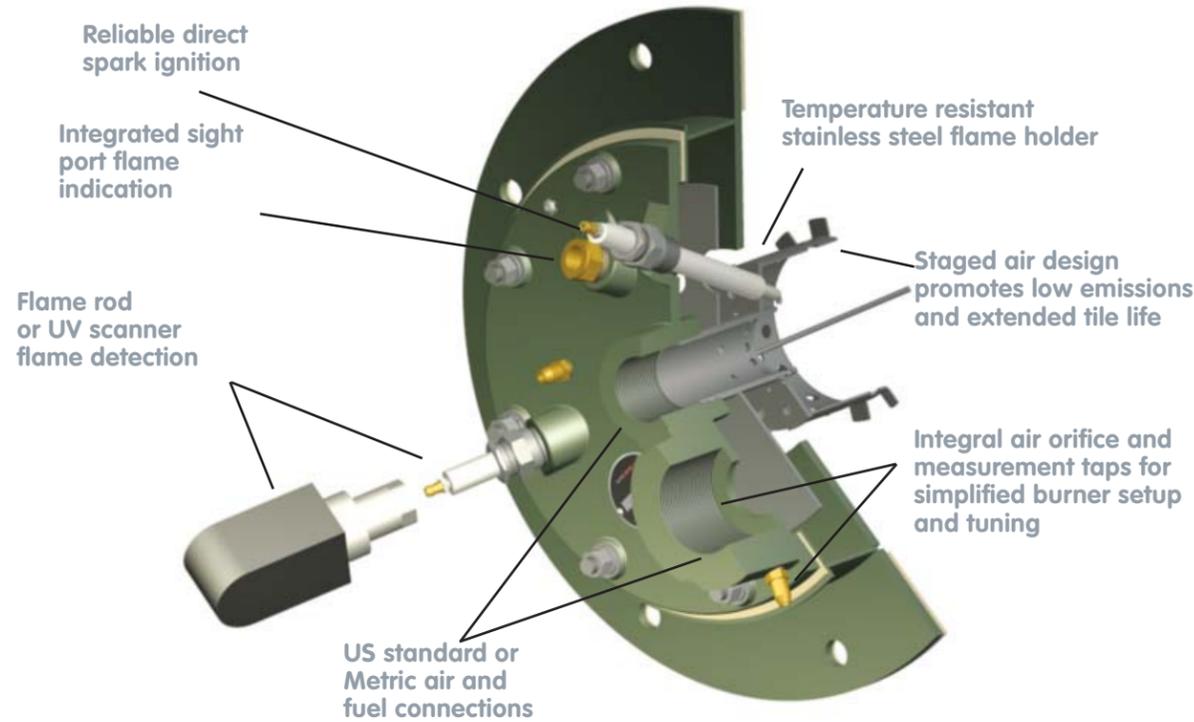
Hauck Manufacturing Company  
POB 90  
Lebanon, PA 17042

T +1 717-272-3051  
F +1 717-273-9882  
info@hauckburner.com



[www.hauckburner.com](http://www.hauckburner.com)





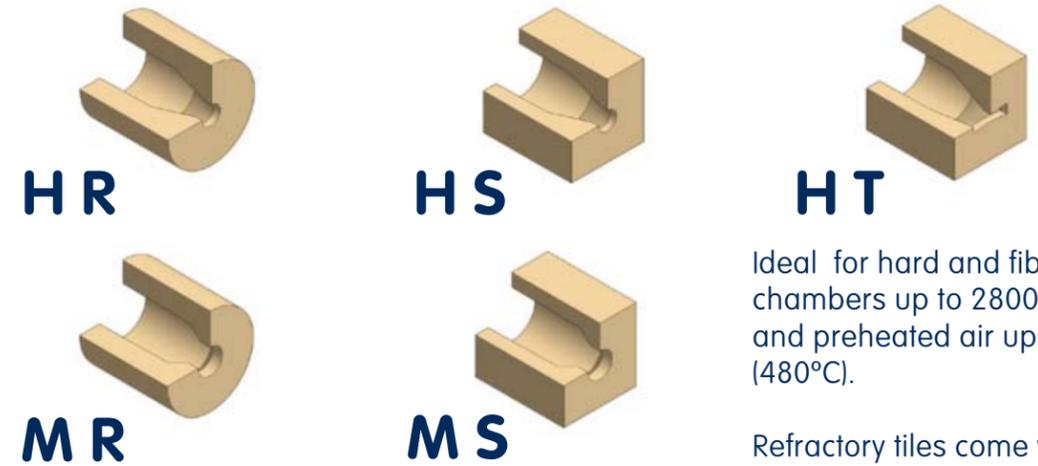
SVG BURNER MODEL	CAPACITY (10 <sup>3</sup> BTU/HR) kW							
	HR	HS	HT	HC	HA	MR	MS	MA
110/210/E-10	110 29.1	110 29.1	not available	110 29.1	95 24.8	120 31.7	120 31.7	120 31.7
112/212/E-12	250 66.1	250 66.1	not available	250 66.1	240 69.5	275 72.7	275 72.7	260 69.2
115/215/E-15	410 108	410 108	not available	410 108	385 116	415 110	415 110	410 108
120/220/E-20	700 185	700 185	700 185	700 185	735 194	750 198	750 198	735 194
125/225/E-25	1,000 265	1,000 265	1,000 265	1,000 265	1,000 265	1,200 317	1,200 317	1,240 328
130/230/E-30	1,300 343	1,300 343	1,300 343	1,300 343	1,250 330	1,500 395	1,500 395	1,510 400
135/235/E-35	1,610 425	1,610 425	1,610 425	not available	not available	not available	not available	not available
140/240/E-40	2,100 554	2,100 554	2,100 554	2,100 554	2,005 529	2,350 620	2,350 620	2,320 612
160/260/E-60	4,700 1,241	not available	not available	4,700 1,241	4,295 1,134	5,520 1,457	not available	4,980 1,315
180/280/E-80	8,515 2,250	not available	not available	not available	8,515 2,250	9,000 2,380	not available	9,625 2,545

Standard models for ambient combustion air to 500°F (260°C).  
High temperature models for preheated combustion air to 900°F (480°C).



### Refractory Tiles - Round, Square and Square Slotted

..... High and Medium Velocity .....



Ideal for hard and fiber-lined chambers up to 2800°F (1540°C) and preheated air up to 900°F (480°C).

Refractory tiles come with a customizable tile mounting flange. Location can be specified at time of order.

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New 'Cast in Place' (CP) tile bodies available.  
Make your own high or medium velocity tile in your chamber.  
Your refractory, your chamber, your tile.  
Ideal for export projects.

..... Alloy Tiles - High and Medium Velocity .....



High temperature alloy is compact and light-weight. Ideal for hard and fiber-lined chambers up to 1900°F (1040°C) and preheated air up to 500°F (260°C). Not for use in fuel rich applications. \* Consult factory.

..... High Velocity Ceramic Tile .....



Silicon carbide material is compact and light-weight. Ideal for fiber-lined chambers up to 2500°F (1370°C) and preheated air up to 900°F (480°C).