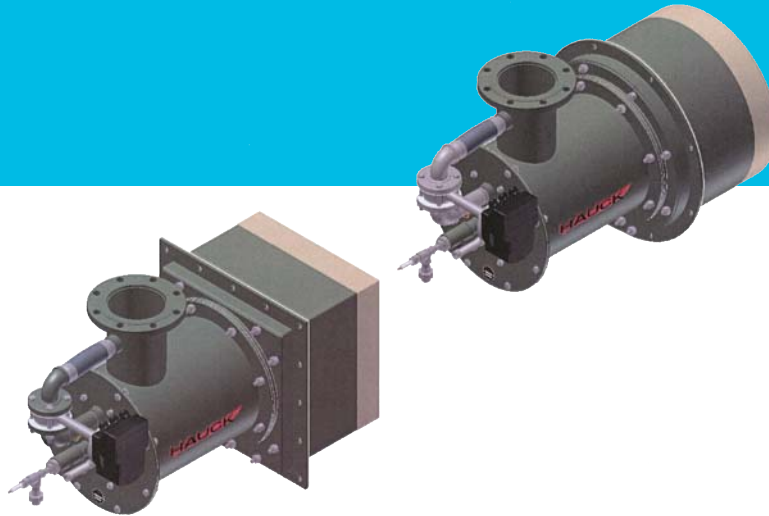


WHI

Wall Hugger Invisiflame® Gas Burner

WHI-1
Edition 09-08



Hauck, a product brand
of the Elster Group



- Ultra low NOx emissions of 20 ppm or less
- Low excess air operation (5%) for maximum fuel efficiency
- Flat flame profile throughout firing range with even heat distribution and no flame impingement
- Cold or preheated air up to 900°F (480°C)
- Direct spark or pilot ignition
- 8:1 on-ratio turndown
- Low CO emissions including on cold start
- Stable operation at ratio in cold furnace
- Adjustable flange for ease of installation
- Single air and fuel connections
- Available in round or square tile versions

Hauck's WHI Wall Hugger Invisiflame® burner is designed for applications requiring even heat distribution with no flame impingement and low NO_x emissions. The flame hugs the wall, even at high turndown ratios, allowing the burner to be placed close to the load.

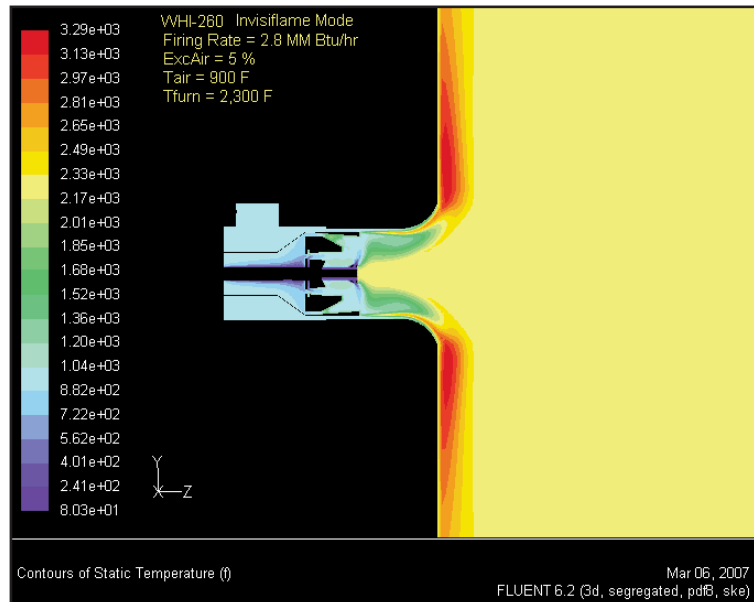
The burner's three-staged air injection design maximizes production efficiency while minimizing NO_x and CO emissions. Low excess air operation (5%) results in outstanding fuel efficiency. The WHI fires any clean industrial fuel gas with a higher heating value of 500 Btu/ft³ (19.7 MJ/nm³) or greater with ambient or preheated combustion air.

Similar to Hauck's WHG burner, the WHI's flat flame pattern promotes even heating by radiation from the furnace walls and roof.

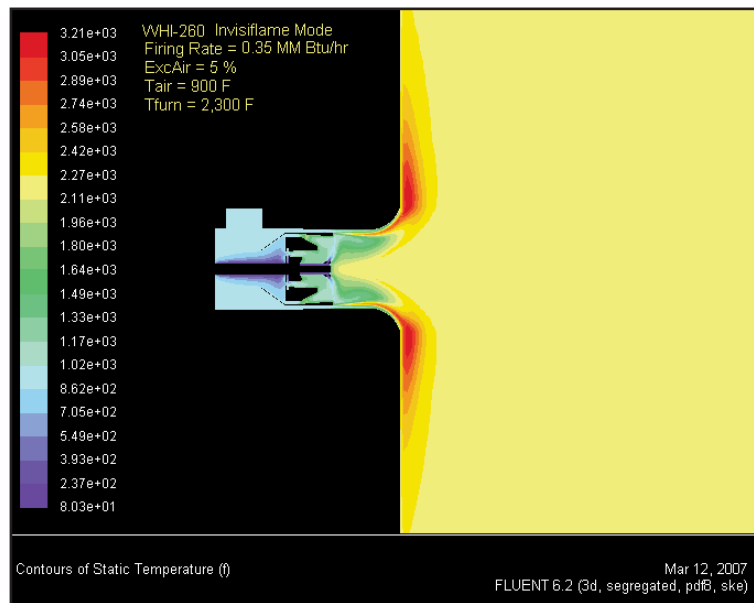
The WHI can be ignited and brought to high fire with low excess air, thus reducing furnace heat-up time resulting in low CO emissions.

The burner design and performance characteristics were optimized using FLUENT® computational fluid dynamics (CFD) software.

The standard burner capacity ranges from 2 to 6 million Btu/hr (580 to 1,760 kW) depending on air preheat. For other capacities, consult Hauck.



WHI 260 - High Fire Flat Flame



WHI 260 - 8:1 Turndown Flat Flame

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

www.hauckburner.com

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