

WHG

Wall Hugger Gas Burner

WHG-1
Edition 07-08



Hauck, a product brand
of the Elster Group



- Flat flame profile throughout entire firing range
- Direct spark or gas pilot ignition
- Immediate ramping up to high fire reduces furnace heat-up time
- Stable operation in cold furnace at low excess air
- Even heat distribution with no flame impingement
- UV or flame rod flame supervision
- Preheated air up to 800°F (425°C)

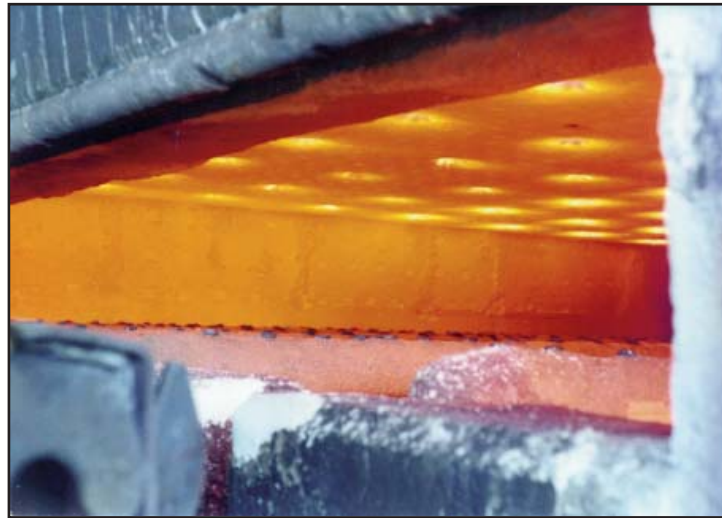
Hauck's WHG Wall Hugger flat flame gas burner is designed for applications requiring even heat distribution with no flame impingement. The burner's flame pattern promotes even heating by radiation from the furnace walls and roof. The flame hugs the wall allowing the burner to be placed close to the load.

The WHG incorporates a port for monitoring the pilot and main flames with either a UV scanner or flame rod. Direct spark or gas pilot ignition is available. The burner, mounting plate and refractory tile are shipped as an assembled unit ready for mounting on the furnace. The WHG can be installed to fire in any position.

The WHG can be ignited and brought to high fire immediately, even in a cold, tight furnace. This reduces furnace heat-up time.

The burner performs equally well when firing on-ratio, or with excess air limits ranging from 175 to 400% at 16 osig (6900 Pa) inlet air pressure.

The WHG may be used in furnaces with chamber temperatures up to 2500°F (1370°C). It is also available in a complete packaged system as the WHG Packaged Burner.



Roof Mounted WHG Burners on Aluminum Melting Furnace

FLAME CHARACTERISTICS

BURNER SIZE	APPROX. FLAME DIA.*	APPROX. MAX. FORWARD FLAME TRAVEL	MIN. TILE TO WORK DISTANCE**
WHG 112	15" (380 mm)	2" (50 mm)	8" (200 mm)
WHG 115	18" (460 mm)	3" (75 mm)	8" (200 mm)
WHG 120	26" (660 mm)	3" (75 mm)	8" (200 mm)
WHG 125	30" (760 mm)	4" (100 mm)	10" (255 mm)
WHG 130	34" (865 mm)	5" (125 mm)	11" (280 mm)
WHG 140	40" (1020 mm)	6" (150 mm)	13" (330 mm)

* The normal minimum centerline to centerline distance between burners is the same as the flame diameter. Burners may be positioned closer to each other, but there may be some gas interference.

** Recommended minimum tile to work distances should be maintained to avoid contact with the hot gases.

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

www.hauckburner.com

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