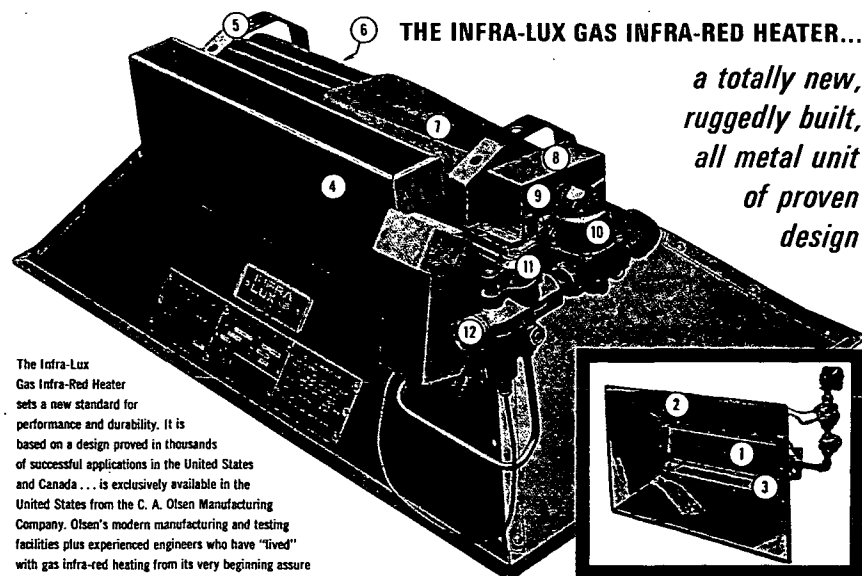


INFRA-LUX



GAS INFRA-RED COMFORT HEATERS

The C. A. Olsen Manufacturing Company • Elyria, Ohio



THE INFRA-LUX GAS INFRA-RED HEATER...

*a totally new,
ruggedly built,
all metal unit
of proven
design*

The Infra-Lux Gas Infra-Red Heater sets a new standard for performance and durability. It is based on a design proved in thousands of successful applications in the United States and Canada... is exclusively available in the United States from the C. A. Olsen Manufacturing Company. Olsen's modern manufacturing and testing facilities plus experienced engineers who have "lived" with gas infra-red heating from its very beginning assure you of unmatched performance and application economy.

1. Inconel Alloy Screen Assembly and Grid Screen: Constructed with three layers of high temperature-resistant, fine-mesh Inconel Alloy Screen — heat-resistant to 2100°F. Maintains combustion on surface of outer screen at 1550°F. with 1/32" flame. Heavy-mesh grid screen, located 1/4" from combustion surface boosts radiation temperature to 1650°F... the optimum temperature for radiant heating efficiency.

2. Reflector Shade Assembly: Constructed of polished aluminum. Directs infra-red rays to produce uniform, constant coverage of a pre-determined area. Straight-sided reflectors produce "spread" dispersal pattern, are used for lower mounting heights. Parabolic reflectors produce more concentrated pattern; are used for higher mounting heights or where greater heat concentration is required.

3. Frame Assembly: Constructed of heat resistant stainless steel; supports burner casting.

4. Ducts: Provide direct, positive exhausting of combustion by-products.

5. Mounting Brackets: Provide easy suspension either horizontally or up to 30 degree angle.

6. Asbestos Gasket: Seals and insulates burner housing from frame assembly.

7. Burner Casting: Improved venturi design provides most efficient mixing of combustible gas-air mixture. Evenly distributes mixture across burner screen assembly to assure uniform temperature. Fins dissipate heat to help assure optimum combustion.

8. Burner Shield Assembly: Protects venturi air inlet from drafts and foreign objects.

9. Pilot Assembly: Assures safe lighting; thermocouple lead shuts off unit in case of gas failure. Pilot is completely shielded to eliminate blow-out and clogging; located out of range of intense radiant heat; available with automatic electric or manual ignition.

10. Control Assembly: All electric and gas controls located outside high temperature heat zone to assure dependable performance.

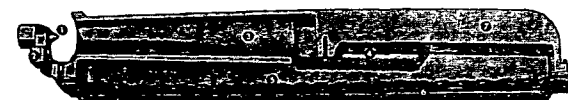
11. Main Manual Gas Valve: Shuts off gas supply to individual heater to permit safe inspection while rest of system continues to operate.

12. Gas Pressure Regulator: Provides precise regulation of gas pressure at individual heater.

THE ALL-METAL INFRA-LUX BURNER

...key to Infra-Lux Efficiency and Durability

The burner is the "heart" of all Infra-Lux Gas Infra-Red Heaters. This one has been cut longitudinally to show construction details. Gas is delivered to the burner through the orifice (1) which is kept in proper alignment by the cast iron orifice holder (2). The gas enters at relatively high velocity and mixes with combustion air in the mixing tube (3). The gas-air mixture is dispersed by primary grid screen (4) across the inner surface of the screen assembly (5). The gas-air mixture passes through this screen assembly, ignites and burns on its outer surface. The heavy mesh grid screen (6) boosts burner surface temperature to optimum generating temperature of 1650°F. The burner housing (7) is a virtually indestructible gray iron casting.



INFRA-LUX GAS INFRA-RED HEATERS SPECIFICATIONS/ORDERING DATA

Model	Capacity (BTU/HR)	No. of Burners	Gas Control*	NATURAL GAS			LP-GAS			MOUNTING	
				Orifice Drill Size	" W. C. Pressure	Pipe Size N.P.T.	Orifice Drill Size	" W. C. Pressure	Pipe Size N.P.T.	Horizontal	30° max.
RH-25	25,000	1	(see footnote)	44	6.0	1/2"	53	11	3/4"	12'-15'	10'-12'
RH-50	50,000	2	(see footnote)	44	6.0	1/2"	53	11	3/4"	15'-18'	13'-15'
RH-50	50,000	2	(see footnote)	44	6.0	1/2"	53	11	3/4"	15'-18'	13'-15'
RH-50P	50,000	2	(see footnote)	44	6.0	1/2"	53	11	3/4"	25'	16'
RH-25U†	25,000	1	100% shut off only	—	—	—	53	11	3/4"	—	—
RH-50U††	50,000	2	100% shut off only	—	—	—	53	11	3/4"	—	—

* — Gas Control (specify by suffix to model when ordering)
E — 100% shut off, standing pilot, 120 volt solenoid valve
T — 100% shut off, standing pilot, 25 volt solenoid valve
EG — electric glow coil ignition, standing pilot, 120 volt solenoid valve

TG — electric glow coil ignition, standing pilot, 25 volt solenoid valve
SK — 100% shut off, spark transfer, standing pilot, 120 volt solenoid valve
S — 100% shut off, direct spark ignition, 120 volt solenoid valve
TK — 100% shut off, standing pilot, 120 volt solenoid valve, electric glow coil ignition

† Portable model. Includes tripod stand, 10 ft. of flexible rubber hose, gas pressure regulator, main manual gas valve, 100% shut off valve

†† Movable model includes cart, 5 ft. of flexible hose, pressure regulator, manual valve, and 100% shut off valve

Clearances (when installed for area heating): Top — 32", sides 26", rear 22", below 84" (Parabolic 108")

Under U. S. Patent 3,034,738



GAS INFRA-RED HEATING PRODUCTS • FA 3-3102
THE C. A. OLSEN MANUFACTURING CO. • ELYRIA, OHIO

