

MODULUS™

ADAPTIVE MODULATING
INFRARED TUBE HEATER



SUPERIOR
RADIANT PRODUCTS



**SRP ADAPTIVE
MODULATION**
= CONSTANT HEAT

The diagram shows a grey, T-shaped nozzle or pipe fitting. A circular opening is located at the bottom of the T-junction. A large, dark grey triangle points downwards from this opening, framing the photograph of the factory below.

THE BEST VALUE IN A MODULATING INFRARED HEATER

Adaptive modulation generates a consistent temperature, boosting energy efficiency while creating a more comfortable environment.

UP TO 60% SAVINGS OVER OTHER METHODS OF HEATING

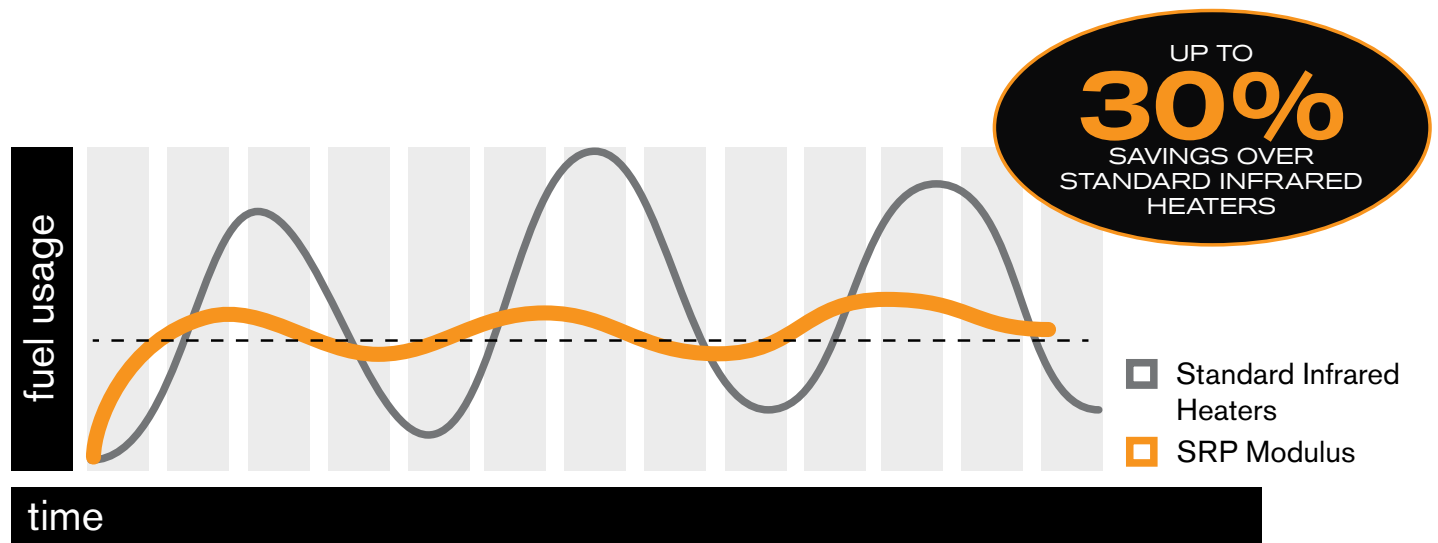
SUPERIOR TECHNOLOGY SUPERIOR PERFORMANCE
WWW.SUPERIORRADIANT.COM

WHAT WILL MODULATION DO FOR YOU?

SRP's patent-pending *Modulus*, Modulating Infrared Tube Heater is best in its class. We have developed a tube heater that virtually thinks on its own. You will see better efficiency, more comfortable and consistent temperatures in your space and you won't have to fight with a complicated interface. *Modulus* heaters can provide 80%+ thermal efficiencies, making them eligible for many utility and government rebate and incentive programs. We want to provide our customers with a technologically advanced unit that is easy to use and more efficient than other heaters on the market.

ADAPTIVE TECHNOLOGY

The *Modulus* automatically adjusts air and gas to properly regulate the temperature in a given space. It has up to 40% modulating differential, the largest in the industry. While many other units require a complicated interface, the *Modulus* has a direct analog signal, meaning no interface. The controls are simple, effective and non-proprietary. The *Modulus* reads the room and adjusts itself accordingly, it is not pre programmed. This creates a level output of energy, rather than coming on strong, shutting down, and then coming on again. This steady stream of energy is what creates energy efficiency and eliminates temperature dips and rises. This improves thermal efficiencies in excess of 80%, resulting in optimal performance and fuel savings.



LEVEL HEAT = GREATER COMFORT

THE QUICK START FUNCTION

The *Modulus* is built with our one-of-a-kind Quick Start Function. The unit starts in a 'low-fire' position but amps up to high power before the sensors tell the system what temperature the room is at. This gets the tubes heated up right away resulting in optimum temperature almost as soon as the unit is turned on.

The *Modulus*, Modulating Infrared Heater is engineered to meet the needs of varying spaces, industries, buildings and sectors through its flexible design. Its adaptive and intuitive technology is unparalleled, making the *Modulus* stand out from the rest.



**MAXIMUM RADIANT
& THERMAL EFFICIENCY
FROM MODULATION
AND SRP'S 100%
EFFICIENT REFLECTOR**

- SRP ADAPTIVE MODULATION = CONSTANT HEAT
- "QUICK START" BUILT INTO OPERATION
- RELIABLE - PRESSURE MEASURED MECHANICALLY
- SELF-REGULATING, NO FIXED POINTS - ADAPTS TO THE DEMAND REGARDLESS OF CONDITIONS
- SIMPLE, EFFECTIVE CONTROL CHOICES - THERMOSTAT, POTENTIOMETER, OR BMS

SPECIFICATIONS

MODEL NG OR LPG	HIGH FIRE RATE BTU/HR	LOW FIRE RATE BTU/HR	MIN. LENGTH (FEET)	MAX. LENGTH (FEET)	ELECTRICAL RATING 120 VAC 60 Hz 1A plug connector	GAS CONNECTION 1/2" NPT
AM-80	80,000	48,000	20	30	TUBE DIAMETER Combustion air 4" Flue 4"	MINIMUM GAS INLET Natural gas 5.3" W.C. LPG gas 11.8" W.C.
AM-115	115,000	69,000	30	40		
AM-150	150,000	90,000	40	50		
AM-200	200,000	115,000	50	60		

FEATURES

- More heaters per circuit with self diagnostic ignition (DSI)
- Fully modulates gas and air
- Models rates 80, 115, 150, 200 MBTU's
- Modulating differential 40%, largest in the industry
- Fully automatic or manual control of burner modulation
- Self-regulating, no fixed points – adapts to the demand regardless of conditions
- Simple, effective controls
- Easy troubleshooting – service while burner operating
- Reliable – pressure measured mechanically
- Separated controls compartment
- Parabolic aluminum reflectors
- Nickel-chromed Jet Stream burner cup

CONTROL OPTIONS

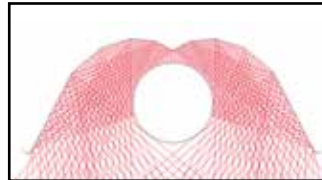
- Modulating thermostat
- Building Management System capability
- Potentiometer
- Remote indoor sensor
- Multiple units on one control system

STANDARD EQUIPMENT

- Burner housing assembly
- Heat treated aluminized tubing with gasket
- Combustion air inlet collar
- Turbulators when required
- All tubing, reflectors, coupling, end caps and hanging accessories per specified length

OPTIONAL EQUIPMENT

- U or L bends for specific layouts
- Energy efficient side reflectors and lower shields
- Vent terminal, fresh air inlet hood
- Stainless steel or Silkote tubing
- Various control options
- Outdoor Vent Kit



**100%
EFFICIENT
REFLECTOR**

Go to website for I/O manual, specifications, submittal data and weights.



**SUPERIOR
RADIANT PRODUCTS**



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