

BP-LTVU Two Stage Gas Infrared Radiant Strips BS-LTSU Modulating Gas Infrared Radiant Strips

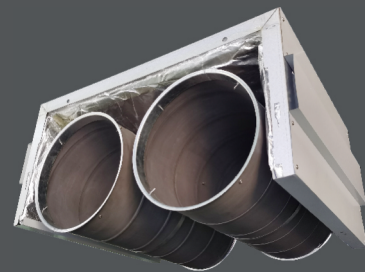
HOW IT WORKS

The gas burner generates high-temperature flue gas by burning natural gas or propane. Under the action of the induced draft fan, the flue gas flows along the radiant tube, heating the surface of the radiant tube to a certain temperature. The radiant tube and reflector heat objects or the ground below in the form of infrared radiation, achieving heating effects.

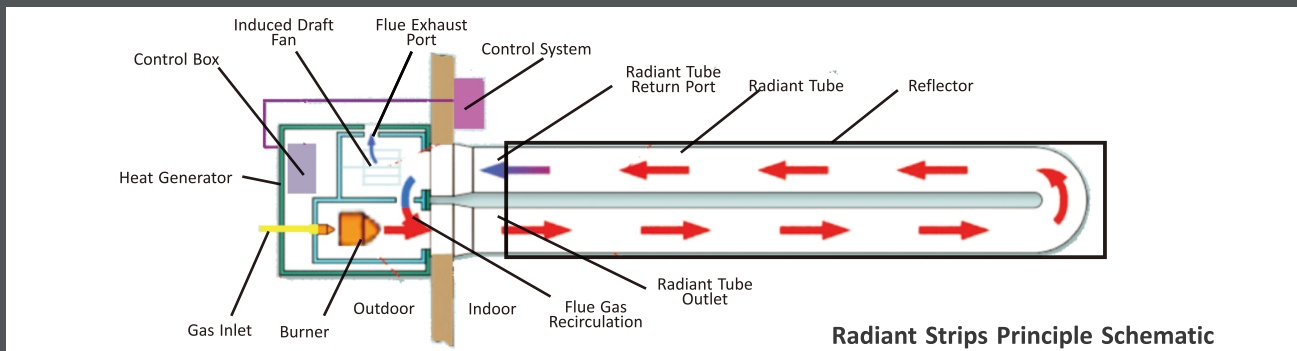
The gas radiant strips consists of the main unit (including the burner, combustion chamber, centrifugal circulation induced draft fan, etc.), radiant tube, reflector, control system, and other components.



Heat Generator (BP-LTVU or BS-LTSU)



Radiant Tube and Reflector



Radiant Strips Principle Schematic

Advantages/Benefits

- **Energy-efficient:** Saves 30% gas and 50% electricity compared to traditional convection heating.
- **Clean:** No air disturbance.
- **Quiet:** No noise
- **Safe:** Gas pipelines do not enter the interior, with lower requirements for building fire safety.

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Features

- BP series two-stage or BS series proportional combustion technology
- Heat-treated aluminized steel radiant tube
- Three-sided insulation for the reflector
- The heat generator can be installed outdoors, ensuring safe combustion, and no need for indoor installation of a gas leak alarm system
- Installed at the top of the building, not occupying working space
- High-temperature flue gas recirculation combustion technology
- Gas and power lines are installed outdoors, reducing the building's fire protection level
- Combustion uses outside air, with flue exhaust to the outside
- Intelligent temperature control: Single-unit on-site control, PLC multi-unit group control on-site, or remote control (optional)



Technical Parameter

Model	BP-LTVU150	BS-LTSU150	BP-LTVU200	BS-LTSU200	BP-LTVU300	BS-LTSU300
Input Heat Range	100-150kW	75-150kW	150-200kW	100-200kW	200-300kW	150-300kW
□Thermal Efficiency	> 92%	> 96%	> 92%	> 96%	> 92%	> 96%
Gas Supply Working Pressure	3-5kPa					
Maximum Natural Gas Consumption	9.66m ³ /h		19.32m ³ /h		28.98m ³ /h	
Maximum Propane Consumption	7.81kg/h		15.63kg/h		23.45kg/h	
Rated Power Supply	380V/50Hz					
Rated Power	1.5kW		2.2kW		3.0kW	
Diameter of the Radiant Tube	250 or 300mm		250 or 300mm		300mm	
Maximum Length of Double Radiant Tube	65m		125m		150m	
Gas Inlet Size	1.5"		1.5"		1.5"	
Weight of Double Radiant Tube (including reflector and insulation)	23 or 32kg/m		23 or 32kg/m		32kg/m	
Weight of Heat Generator	155kg	178kg	198kg	225kg	216kg	240kg

