

KEYWARM®

We Ignite Success

Originated from Canada

PRODUCT INTRODUCTION

Unitary Low Intensity Positive Gas Tube Heater –LTS /LTSU Series



Widely used in large space heating, agriculture buildings, greenhouses, outdoors spot heating and drying processes.

Rate: 10–60kW, 9 specifications available

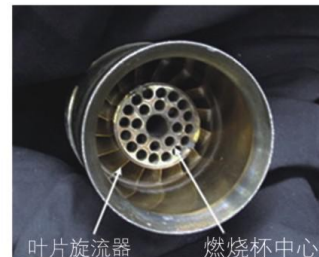
LTS series unitary positive systems

Various radiant tube layouts such as straight L and Z configurations Radiant tubes up to 24 meters, better for whole space heating

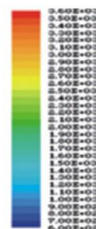
LTSU series U type positive systems

More even heat distribution

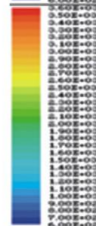
Better for huge heat loss space and spot heating



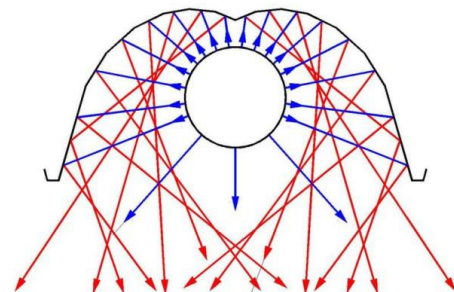
Low Swirl Burner



Flue Gas Temperature Distribution of Competitor's Burner



Flue Gas Temperature Distribution of Our Swirl Burner



Fully Parabolic Deep Reflector –100% Reflectivity

Technical Features

- . Products of combustion are pushed through the combustion chamber for increased radiant efficiency and greater safe
- . High efficiency and energy saving
- . Reflector design is 100% reflectivity
- . Single and two-stage model available
- . Rates 10–60kW
- . Natural Gas or LPG
- . Two-side separate reflectors mean more reflective areas thus high reflectivity.
- . Totally enclosed combustion Chamber
- . Separated control compartment
- . No maintenance required for permanently sealed and lubricated ball bearings of motor and blower
- . Direct spark igniting system with 100% safety shut off
- . High-tech step-opening redundant combination gas valve for quiet and stable combustion
- . Diaphragm air switch for proof of venting before gas flow and ignition
- . Self-diagnostic ignition module
- . 24V low voltage controls
- . Heat treated aluminized tubes for combustion and radiant tubes
- . Stainless steel turbulators available
- . Heavy duty couplings without leak

Technical Specification

MODEL	RATE (kW)	GAS CONSUMPTION		MOUNTING HEIGHT (m)	SHIPPING WT. (kg)	STD. LENGTH (m)	RADIANT TUBE (mm)	ELEC RATING	GAS CONN
		N.G. Nm ³ /h	LPG (kg/h)						
LTS10	10	1.06	0.8	2.4-3.0	37-55	3-6	101.6	220V 50Hz 1A	1/2" NPT
LTS (U) 20	20	2.22	1.6	3.0-4.5	55-73	6-9			
LTS (U) 30	30	3.33	2.3	4.2-5.4	73-91	9-12			
LTS (U) 35	35	3.37	2.4	4.2-5.4	73-91	9-12			
LTS (U) 40	40	3.86	3.2	4.8-6.9	91-109	12-15			
LTS (U) 45	45	4.34	3.5	4.8-6.9	109-127	15-18			
LTS (U) 50	50	4.83	4.0	5.1-7.5	109-127	15-18	108		3/4" NPT
LTS (U) 55	55	5.31	4.3	5.1-7.5	145-170	18-22			
LTS (U) 60	60	5.79	4.6	5.5-8.0	170-202	22-24			

- 1. Natural Gas: 8900Kcal/Nm³, LPG: 11000Kcal/kg, Gas Supply Pressure: 2-3kPa.
- 2. U Type is about 4kg heavier than straight type.
- 3. 110V/60Hz available

Cases

