ReflectO Ray® EDS 6

Radiant Heating Systems

Custom Designed for High Bays and Aircraft Hangars.

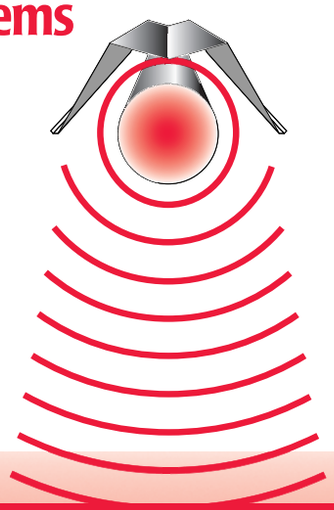
Superior to Conventional Heating Systems.

Saves on Energy Costs.

Reduces Temperature Fluctuations.

Reflect O Ray® EDS 6

Engineered Designed System
Vacuum Heating Systems



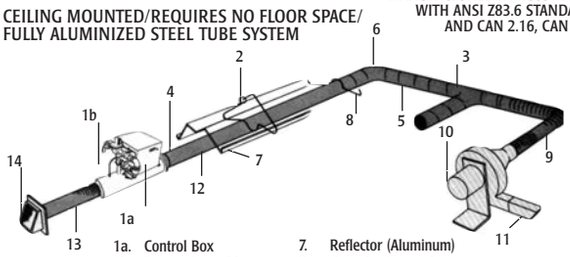
Benefits

- Each system is custom designed for optimum comfort and efficiency.
- Vacuum fired systems.
- 30–50% energy savings over conventional systems.
- 100% factory tested.
- The original Dry Tube system.
- Uses natural gas or propane gas.
- Burner inputs—240K and 360K.
- Tubing network maintains uniform heat throughout the building.
- Radiant tubing constructed entirely of corrosion resistant aluminized steel.
- Three-try, direct spark ignition.
- Electronic flame monitoring—100% safety lockout.
- 24-volt solid state controls.
- Burner flame inspection window.
- Pre-purge cycle.
- Burner housing is powder coated.
- 10 year warranty on radiant tubes for internally created corrosion.
- Reduce utility drop installations by up to 2/3rd's.

TYPICAL RADIANT TUBING ASSEMBLY WITH REFLECTORS

CEILING MOUNTED/REQUIRES NO FLOOR SPACE/ FULLY ALUMINIZED STEEL TUBE SYSTEM

DRY TUBE SYSTEM (NON-CONTINUOUS CONDENSATION). MANUFACTURED IN ACCORDANCE WITH ANSI Z83.6 STANDARDS AND CAN 2.16, CAN 2.20.



1a. Control Box
1b. Burner Assembly
2. Hanger
3. Standard Tee
4. Drawband Coupling
5. Pipe Coupling w/S.M. Screws
6. Standard Elbow
7. Reflector (Aluminum)
8. Reflector Support
9. Flex
10. Exhauster
11. Exhaust Duct
12. End Cap
13. Inlet Flex
14. Outside Air Inlet

Superior to conventional heating

- Less fuel and electrical consumption.
- Fewer electrical hookups.
- Fewer gas line drops.
- Less building ceiling and wall penetrations.
- Less maintenance – no filters.
- No system corrosion – no condensate removal required.
- Even temperatures for total comfort.

Applications

- Aircraft hangars.
- Structures with high bays.
- Structures to any height providing adequate system input

Burner #	Input Rate BTU Hr	Fuel Type	Suggested Orifice Size
#0600.NG	240,000	Natural	9/32"
#0600.LP	240,000	Propane	#17
#0610.NG	360,000	Natural	11/32"
#0610.LP	360,000	Propane	#3

Burner #	Manifold Gas Pressure	Minimum Supply Gas Pressure	Air Suction Hot
0600.NG	3 5" W.C.	7" W. C.	.5" W.C.
0600.LP	10" W.C.	11" W. C.	.5" W.C.
0610.NG	3 5" W.C.	7" W. C.	.5" W.C.
0610.LP	10" W.C.	11" W. C.	.5" W.C.

DESIGN TUBE REQUIREMENTS FOR OPTIMUM EFFICIENCES

The dimensions in the table below are used in the design of Reflect-O-Ray EDS/6 systems. Every effort should be made to hold the dimensions given on the layout drawing. Deviations from the dimensions listed below should be verified with the manufacturer. For futher design assistance and equipment information please consult manual.

BURNER TYPE	#600 240,000 BTU/Hr		#610 360,000 BTU/Hr	
	Standard Extended Tube System	Optional High Output System	Standard Extended Tube System	Optional High Output System
Radiant Tube between any Burner & Vacuum Exhauster				
Maximum Recommended	260'	160'	230'	190'
Minimum Recommended	160'	120'	190'	150'
Maximum Flows through one Tube	2	2	2	2
Distance before Elbow - Minimum	30'	30'	30'	30'
- Maximum	200'	160'	230'	190'

CLEARANCE TO COMBUSTIBLES

	TOP	BOTTOM	SIDE	BACK SIDE OF SHIELD
REFLECTOR PN 600	12"	74"	36"	-
REFLECTOR PN 600 WITH SIDE SHIELD PN 663	12"	74"	50"	36"

Maximum Number of Burners Recommended Per Exhauster

BURNER	PN0402.060 1HP 110V 220V
0600.NG/LP 240,000 BTU	2
0610.NG/LP 360,000 BTU	2

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