

# HIGH INTENSITY HEATER APPLICATION AND USAGE

-  **Avoid Equipment Failure.**
-  **Avoid property damage, injury or death.**

Observe these basic guidelines when installing your heater.  
**Consult Manual** for full installation instructions.

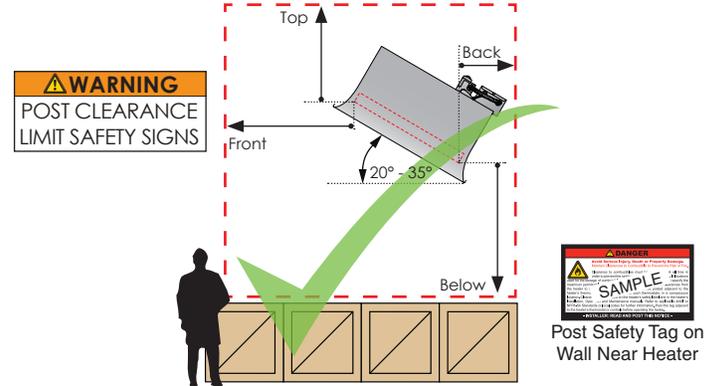
## OBSERVE CLEARANCES TO COMBUSTIBLES

### Do Not Violate Clearances to Combustibles!



Failure to observe stated clearances to combustibles will result in a fire hazard. Failure to properly denote hazard may also result in a future hazard.

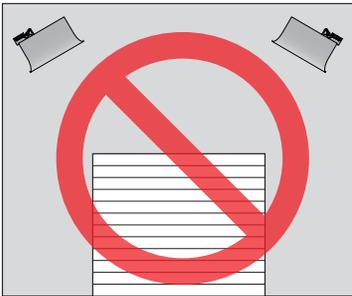
### Observe Published Clearance to Combustibles



Always observe the stated clearances to combustibles. Post signs as required by ANSI Z223.1 or NFPA-54. Consult manual.

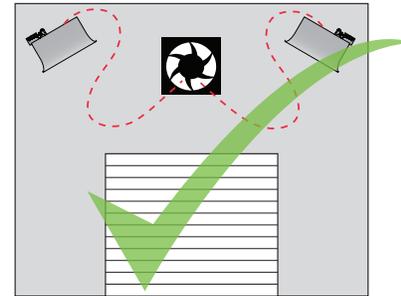
## OBSERVE MINIMUM VENTILATION RATES

### Do Not Install Without Adequate Ventilation!



Failure to observe minimum ventilation rates will result in condensation and increased carbon monoxide rates.

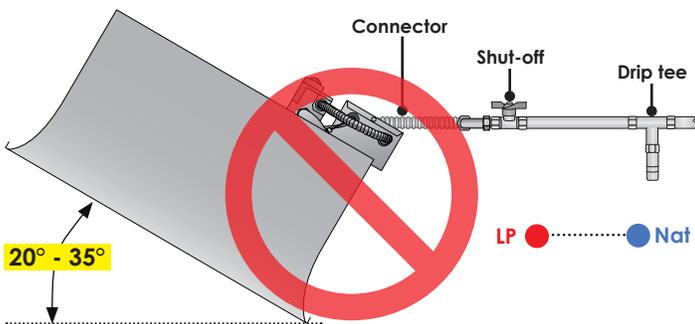
### Provide Sufficient Ventilation!



Provide natural or mechanical means to supply and exhaust 4.0 CFM per 1000 BTU/H of gas input.

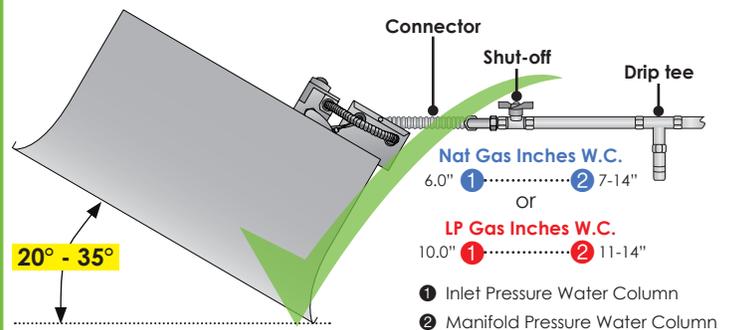
## OBSERVE PROPER GAS TYPES AND PRESSURES

### Do Not Apply Improper Gas Types or Pressures!



The use of improper gas or improper pressure will result in a fire hazard or improper equipment operation.

### Apply Required Gas Type and Pressures!



Provide proper gas type (as denoted on heater rating label) and observe minimum and maximum pressures.

**Notice:** Do not attempt to convert heater by altering the gas orifice(s). Proper conversions require valve, orifice, burner, crossover devices and proper labeling. Contact factory for conversion assistance.

## OBSERVE PROPER APPLICATION GUIDELINES

### Do Not Install in Residential Applications!



Failure to observe this warning may result in injury or death.

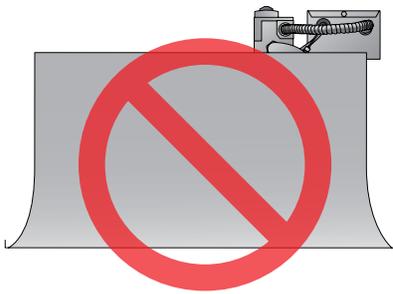
### Install in Approved Applications Only!



High intensity heaters are certified for commercial or industrial applications with adequate ventilation only.

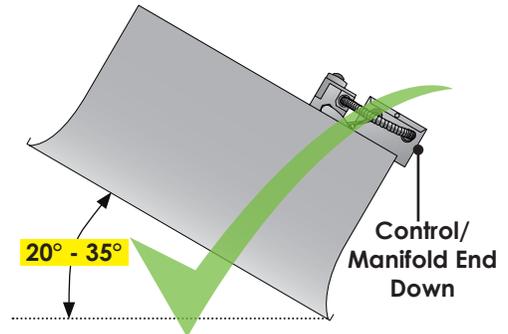
## OBSERVE PROPER MOUNTING ANGLES

### Do Not Mount Horizontal or Sideways!



Failure to place control end down will result in damaged controls.

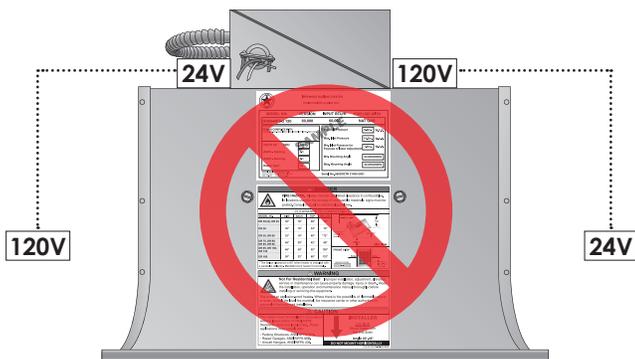
### Observe Proper Mounting Angles!



Heater **must be** mounted level side to side and at a **20-35°** angle from horizontal with the control end down.

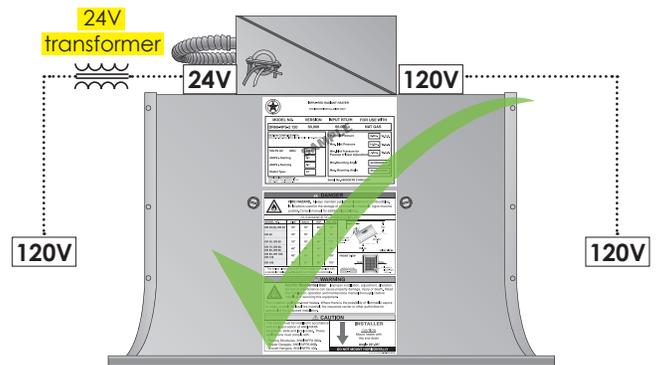
## OBSERVE PROPER VOLTAGE

### Do Not Apply Improper Voltage to Unit!



Failure to observe proper voltage will result in damaged controls.

### Connect Proper Voltage as Indicated on Rating Label!



120V systems are installed directly to 120V lines; however, transformers must be used on 24V systems. Install mV systems to mV thermostat as supplied.



This precheck sheet is not designed to act as a replacement to the installation manual.



Read and understand the DR Series Installation, Operation, Maintenance & Parts Manual thoroughly before installing or servicing this equipment.