

DETROIT RADIANT

**RE-VERBER-RAY**

RADIANT GAS HEATERS®

PRODUCTS COMPANY

SERIES

● DR ○ PH ○ PT ○ BAH

# DR SERIES

## HIGH INTENSITY GAS-FIRED INFRA-RED SPACE HEATERS

The DR Series represents today's most popular line of gas-fired, infra-red heaters. This unvented heater is ideal for use in many applications including areas of high air filtration, high ceilings and spot heating. The DR Series offers exclusive design features, a proven history and a variety of BTU and control options.

### HIGH INTENSITY



### PRODUCT FEATURES

- Exclusive ceramic burner provides maximum infra-red radiation.
- Stainless steel rods increase heat temperature and efficiency.
- Highly polished aluminum reflector design.
- Direct spark or pilot ignition.
- Potted circuitry for protection in high moisture environments (DSI only).
- 5-year limited ceramic burner warranty.
- CSA Design Certified, UL-Listed, CE Certified.

### TYPICAL APPLICATIONS

- Construction Projects
- Sporting Facilities
- Unheated Buildings
- Service Drives
- Ship Yards
- Marinas
- Emergency Heat
- Loading Docks
- Shipping/Receiving
- Car Washes

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### VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infra-red
- and More!



**Heat the floor zone, not the ceiling.**

# DR SERIES

## SPECIFICATIONS



### PRODUCT SPECIFICATIONS

<b>BTU Range:</b>	30-160 MBH
<b>Gas Type:</b>	Natural or Propane
<b>Certification:</b>	CSA (Indoor), CE (RV Series)
<b>Limited Warranty:</b>	5 years ceramic burner
<b>Gas Connections:</b>	1/2" NPT
<b>Manifold Pressure:</b>	6" Natural or 10" Propane
<b>Minimum Inlet:</b>	7" Natural or 11" Propane
<b>Maximum Inlet:</b>	14" Natural or 14" Propane

### OPTIONAL EQUIPMENT:

<b>Horizontal Parabolic Reflector:</b>	DR-#HPR
<b>Full Parabolic Reflector:</b>	DR-#PR
<b>Full Parabolic Reflector w/ Screen:</b>	DR-#PRSC
<b>DR Heater Screen:</b>	DR-#SC
<b>Chain Mtg. Set w/ Preset Angles:</b>	DR-CS
<b>Clearance Safety Warning Sign:</b>	PLQ
<b>Stainless Steel Rayhead Chamber:</b>	SSRHAO

### ⚠ WARNING

#### To Prevent Serious Injury or Death:

Unit must be used in a well ventilated area. When used indoors or in an enclosed area, provide a positive air displacement of at least **4.5 CFM per 1,000 BTU/H** of the heater's rated input.

### ⚠ WARNING

#### To Prevent Serious Injury or Death:

This heater is **NOT** for home or recreational use. **DO NOT USE** in the home, mobile home, RV's, campers, tents, etc.

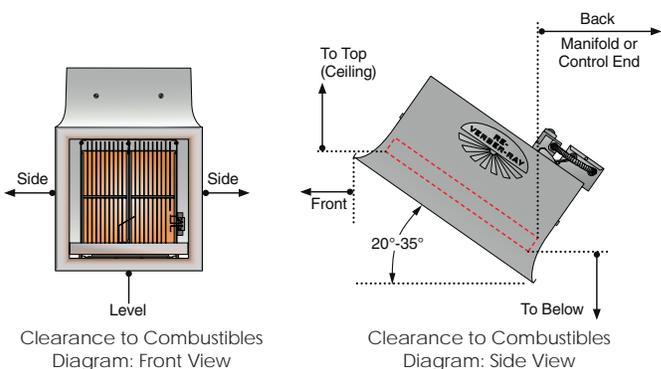
## AVAILABLE DR MODELS

MODEL #	GAS TYPE	BTU/H	CERAMIC OPERATING TEMP.	DIMENSIONS			WEIGHT	RECOMMENDED MOUNTING HEIGHTS**	CLEARANCE TO COMBUSTIBLES***			
				H	L	W			SIDES(S)	BACK	TOP	BELOW/FRONT
DR-30(S)	N or LP	30,000	1780°F	14 3/8"	12 3/8"	22 5/8"	18 lbs.	12' to 14'	30"	18"	28"	72"
DR-30	N or LP	30,000	1780°F	14 3/8"	22 5/8"	12 3/8"	18 lbs.	12' to 14'	30"	18"	28"	72"
DR-45	N or LP	45,000	1660°F	14 3/8"	22 5/8"	18 7/8"	27 lbs.	12' to 14'	30"	18"	28"	72"
DR-50	N or LP	50,000	1690°F	14 3/8"	22 5/8"	18 7/8"	27 lbs.	12' to 14'	30"	18"	34"	72"
DR-55	N or LP	55,000	1735°F	14 3/8"	22 5/8"	18 7/8"	27 lbs.	13' to 15'	32"	18"	40"	72"*
DR-60	N or LP	60,000	1780°F	14 3/8"	22 5/8"	18 7/8"	27 lbs.	14' to 16'	32"	18"	40"	72"*
DR-75	N or LP	75,000	1690°F	14 3/8"	22 5/8"	25 3/8"	36 lbs.	15' to 17'	48"	30"	42"	98"
DR-80	N or LP	80,000	1720°F	14 3/8"	22 5/8"	25 3/8"	36 lbs.	15' to 17'	48"	30"	42"	98"
DR-85	N or LP	85,000	1750°F	14 3/8"	22 5/8"	25 3/8"	36 lbs.	16' to 18'	48"	30"	42"	98"
DR-90	N or LP	90,000	1780°F	14 3/8"	22 5/8"	25 3/8"	36 lbs.	16' to 18'	48"	30"	42"	98"
DR-95	N or LP	95,000	1790°F	14 3/8"	22 5/8"	25 3/8"	36 lbs.	17' to 19'	48"	30"	42"	98"
DR-100	N or LP	100,000	1810°F	14 3/8"	22 5/8"	25 3/8"	36 lbs.	17' to 20'	48"	30"	52"	120"
DR-130	N or LP	130,000	1810°F	14 3/8"	22 5/8"	31 7/8"	45 lbs.	21' to 24'	48"	30"	52"	120"
DR-160	N or LP	160,000	1810°F	14 3/8"	22 5/8"	38 3/4"	54 lbs.	24' to 28'	50"	32"	60"	132"

\* Clearance is 80 in. when heater is fitted with a parabolic reflector.

\*\* Mounting heights are recommended and provided as a guideline only. Actual conditions may dictate variations from the above data.

\*\*\* Always maintain the published clearances to combustibles and place signs where necessary in accordance with ANSI Standards.



## AVAILABLE CONTROL OPTIONS

SUFFIX	GAS TYPE	VOLTAGE	CONTROL TYPE	AMPS	VA DRAW
NMV-2 <sup>^</sup>	Natural	Millivolt	Self-Energizing, Manual Pilot	N/A	N/A
PMV-2 <sup>^</sup>	Propane	Millivolt	Self-Energizing, Manual Pilot	N/A	N/A
NFS-2 120V	Natural	120 Volts	Direct Spark Ignition	0.10	12.0
NFS-2 25V	Natural	25 Volts	Direct Spark Ignition	0.48	12.0
PFS-2 120V	Propane	120 Volts	Direct Spark Ignition	0.10	12.0
PFS-2 25V	Propane	25 Volts	Direct Spark Ignition	0.48	12.0

<sup>^</sup> 35 ft. wire and millivolt thermostat are included with each NMV-2/PMV-2. Millivolt controls utilize a standing pilot flame for ignition therefore should not be used in windy environments. NFS-2/PFS-2 controls utilize potted circuit boards for protection in high moisture environments.

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