

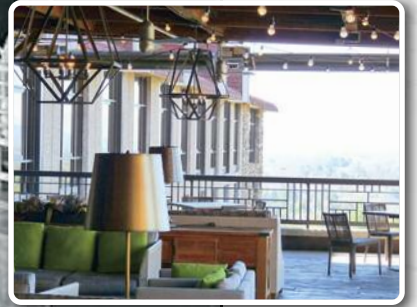
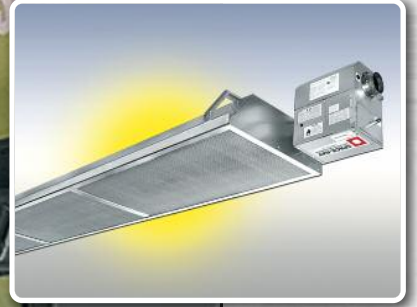
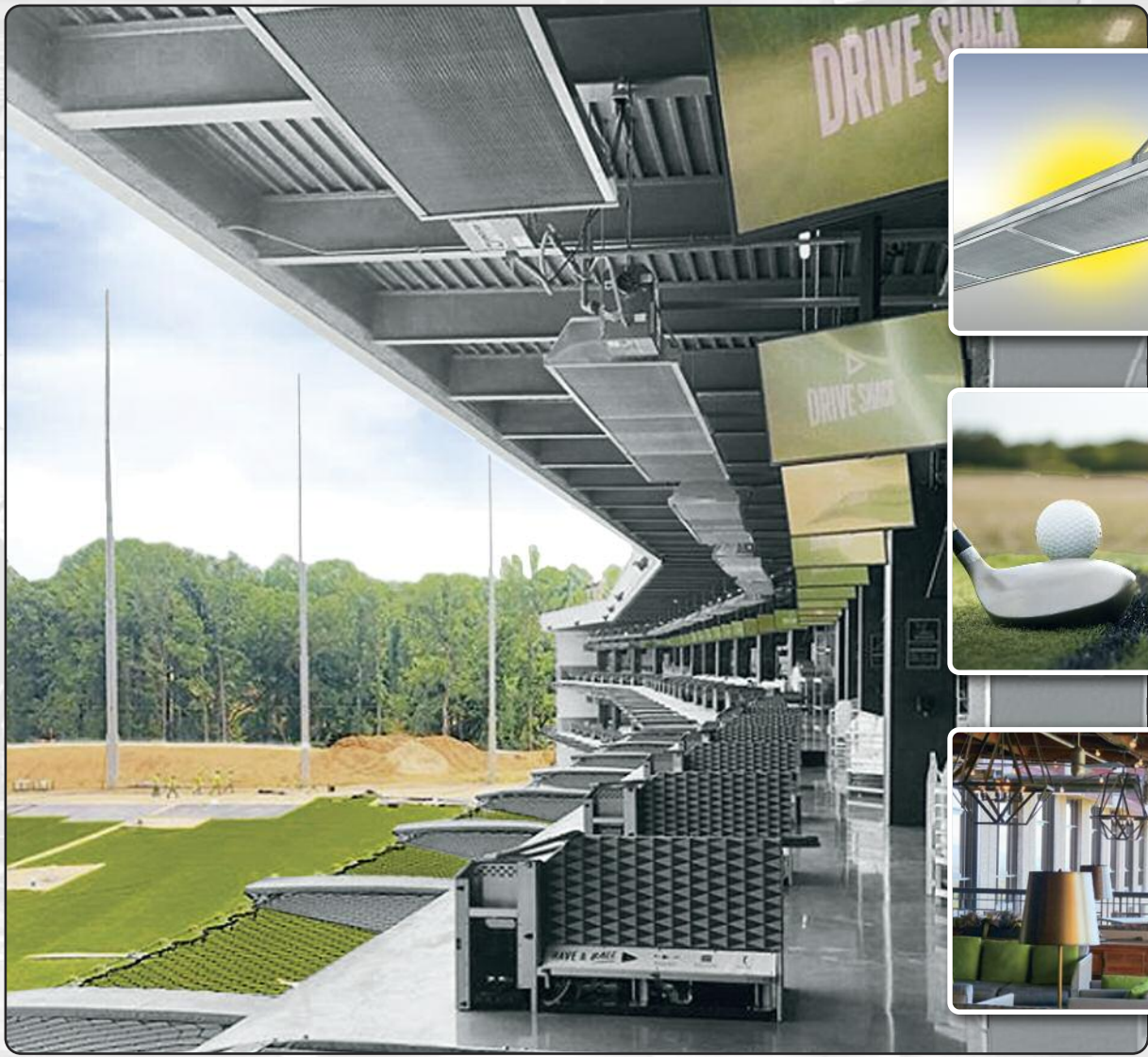


# PGR Series

Push Through Positive Pressure Tube Heater

Infrared Gas Heating For

## Golf Range And Hospitality Applications





**SPACE-RAY®**  
INFRARED GAS HEATERS

*Solutions For Commercial, Hospitality & Industrial Heating*  
Since 1949



★ CSA Design Certified

★ 5 Year Limited Warranty On Emitter Tube

Space-Ray's New

## **PGR Series**

**Specifically Designed For Golf Range & Outdoor Hospitality Applications**

- Seven input sizes from 40,000 to 125,000.
- Vented and indirect vented operation.
- Emitter Tubes are all calorized steel for higher radiant efficiency and corrosion resistance.
- Emitter tube terminates inside the reflector body and the products of combustion are discharged under the reflector body to increase the return tube temperature and improve overall efficiency.
- No exposed exhausters motors. The blower is enclosed inside the burner box for quieter system operation and less maintenance.
- Two Point Tube Suspension System with external frame brackets to minimize assembly & installation time.



| MODEL   | SINGLE STAGE |                   | TWO STAGE        |        | TOTAL EMITTER LENGTH |          |       |       | MINIMUM MOUNTING HEIGHT |
|---------|--------------|-------------------|------------------|--------|----------------------|----------|-------|-------|-------------------------|
|         | BTU/HR INPUT | BTU/HR HIGH INPUT | BTU/HR LOW INPUT | VENTED |                      | UNVENTED |       |       |                         |
|         |              |                   |                  | 20 FT  | 30 FT                | 20 FT    | 30 FT |       |                         |
| PGR 40  | 40,000       | 40,000            | 25,000           | ●      |                      | ●        | ●     | 10 FT |                         |
| PGR 50  | 50,000       | 50,000            | 30,000           | ●      | ●                    | ●        | ●     | 10 FT |                         |
| PGR 60  | 60,000       | 60,000            | 40,000           | ●      | ●                    | ●        | ●     | 11 FT |                         |
| PGR 75  | 75,000       | 75,000            | 50,000           |        | ●                    | ●        | ●     | 13 FT |                         |
| PGR 80  | 80,000       | 80,000            | 55,000           |        |                      | ●        | ●     | 13 FT |                         |
| PGR 100 | 100,000      | 100,000           | 65,000           |        |                      | ●        | ●     | 14 FT |                         |
| PGR 125 | 125,000      | 125,000           | 80,000           |        |                      |          | ●     | 14 FT |                         |

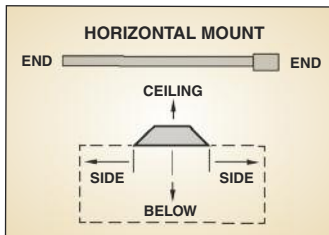
Indicate model number based on Btu/hr input (e.g., 100,000 Btu/hr), total emitter length, (e.g., 30 feet) and gas type (e.g., natural gas single stage input). The unit selection for a straight tube would be PGR100-30-N5. \*MOUNT HEATERS AS HIGH AS POSSIBLE. Minimums are shown for indoor applications as a guideline for human comfort and uniform energy distribution. For outdoor applications heaters can be mounted lower. Consult your Space-Ray representative for the particulars of your installation requirements.

| GAS TYPE | BURNER PRESSURE | SUPPLY PRESSURE |          | GAS CONNECTION | VOLTAGE          | AMPS | IGNITION TYPE | FLUE CONNECTION | OUTSIDE COMBUSTION AIR CONNECTION |
|----------|-----------------|-----------------|----------|----------------|------------------|------|---------------|-----------------|-----------------------------------|
|          |                 | MIN             | MAX      |                |                  |      |               |                 |                                   |
| NATURAL  | 3.5" W.C.       | 5" W.C.         | 14" W.C. | 1/2" MPT       | 120 VAC<br>60 HZ | 1.8  | DIRECT SPARK  | 4" ROUND        | 4" ROUND                          |
| PROPANE  | 10" W.C.        | 11" W.C.        | 14" W.C. |                |                  |      |               |                 |                                   |

Note: For installations higher than 2000 ft above sea level, please consult the factory regarding recommended derating of heaters.



| CONTROL SUFFIX | TYPE OF GAS       | DESCRIPTION  |
|----------------|-------------------|--|
| N5 / L5        | NATURAL / PROPANE | SINGLE STAGE GAS VALVE - SINGLE STAGE INPUT            |
| N7 / L7        | NATURAL / PROPANE | TWO STAGE GAS VALVE - MODULATING INPUT - HIGH/LOW FIRE |


**Clearances To Combustibles**


| MODEL          | MOUNTED HORIZONTALLY |          |       |      |
|----------------|----------------------|----------|-------|------|
|                | SIDES                | CEILING* | BELOW | ENDS |
| PGR 40, 50     | 22"                  | 8"       | 56"   | 15"  |
| PGR 60, 75, 80 | 22"                  | 8"       | 60"   | 15"  |
| PGR 100        | 25"                  | 8"       | 80"   | 15"  |
| PGR 125        | 28"                  | 8"       | 80"   | 20"  |

\*Ceiling clearance is 6" when used as a vented heater

**Combustion Air And Ventilation**

Combustion air and venting requirements for all gas-fired heating equipment must be provided per the National Fuel Gas Code NFPA54 or the authority having jurisdiction. Heaters can be vented, indirect vented or unvented. Refer to the Installation and Operation Instructions for further information. A vented installation must be vented to the outside of the building with a flue pipe. In indoor and tightly sealed buildings this heater requires ventilation. An indirect vented installation requires a minimum ventilation flow of 4 CFM per 1000 Btu/hr of total installed heater capacity on natural gas by either gravity or power ventilation.

**For Your Safety**

OPERATE SPACE-RAY GAS INFRARED HEATERS WITH PROPER CARE AND OBSERVE ALL SAFETY PRECAUTIONS. Installation and service must be performed by a licensed contractor. The installation must conform to Manufacturer's Installation and Operating Instructions or local codes. In the absence of local codes, the installation must conform to the National Fuel Gas Code ANSI Z223.1 (latest edition, also known as NFPA54) or CAN / CSA-B149 installation codes (latest edition).



**Harnessing The Power  
 Of Radiant Energy™**



P.O. Box 36485 • Charlotte, NC 28236  
 Telephone (800) 438-4936 • (704) 372-6391 • Fax (704) 332-5843

www.spaceray.com • email: info@spaceray.com

