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HEATING**
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INFRARED PATIO HEATERS

Natural Gas and Propane Fired

**LET'S STAY
A WHILE
LONGER!**

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THE SUN GLO STORY

The original Sun Glo heater was designed in 1961 by Edwin J. Cowan, a leading U.S. infrared heating appliance engineer. A unique demand existed in California for decorative, yet practical, gas fired heaters. Mr. Cowan developed the circular radiant heater primarily for use in restaurants, hotels and country clubs.

Since that time the basic design has been modified for a wide variety of uses. The Sun Glo heater is now a welcome feature at popular resorts and hotels, fine restaurants and cafes, swimming pool and spa areas, and ski lodges.

The permanent, PSA265 post mounted heater is fired with natural gas. The A244 ceiling suspended model is supplied complete with an attractive sculpted steel frame, and it is available with automatic off/on control for effortless operation. The portable propane A270 model is the heater of choice for the rental industry, and it is easily stored away when not in use. The A270 is now available with a direct spark ignition.

The quiet radiant warmth of these 40,000 and 50,000 BTU/HR patio heaters has been enjoyed throughout North America, Europe, Japan, Australia and New Zealand for over thirty years. When people want the very best, they choose Sun Glo heaters.

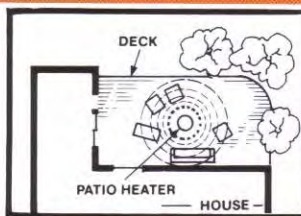
WHERE TO USE PATIO HEATERS

Sun Glo heaters are also used for frost protection, for warehouse, garage and shop heating. On a rental basis for outdoor weddings, banquets and other social events, Sun Glo portable propane patio heaters add a whole new dimension in comfort.

WHO WILL BE INTERESTED IN SUN GLO HEATERS?

For NEW construction locations...contractors, architects and landscape specialists find this new decorative heating appliance a welcome addition to their projects.

For application to existing restaurants and hotels with partially covered, or outdoor facilities our various Sun Glo heater designs provide practical warmth at a low cost, while creating a convivial atmosphere in extended seating areas.



EFFECTIVE RANGE (COVERAGE):

The comforting warmth from a single Sun Glo Patio Radiant Heater will cover a 12' to 20' circle. The Sun Glo is a "comfort heater," and the coverage is the area in which people will receive a comforting amount of warmth. Some persons require more warmth or less warmth than others to be comfortable and will either turn the heater up or down, or move closer or farther away as they desire.

WHERE TO LOCATE PATIO HEATERS:

Sun Glo Heaters naturally attract people to their infrared warm glow. Locate heaters where people can readily gather, sit or stand comfortably, and where furnishings can easily be moved to best accommodate the warmth.

Some examples:

- Outdoor restaurant patios and waiting areas.
- Swimming pool decks and lounging areas around hotel pools.
- Suspend heaters above or around spas and hot tubs.
- Seating areas around concessions and commercial sales outlets.
- Sporting events, social events, media events.

GENERAL RULES FOR LOCATING HEATERS:

A Sun Glo Patio Heater can operate effectively to maintain a comfort level even in completely exposed areas, although a weather protected area is desirable. Weather and wind protection allows the surrounding air to be warmed and used to enhance the direct radiant warming effects. When adding heaters to existing construction, due consideration should be given to locating the heaters as near as possible to a gas supply line. For elevations above 2000 feet consult your sales representative or the factory for specific instructions. Always locate Sun Glo Patio Heaters so specified clearances to combustible materials are maintained.

Clearance from top of reflector - 18"

Clearance from sides of reflector - 24"

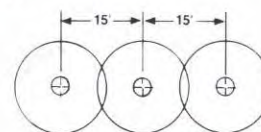
WHEN MULTIPLE HEATERS ARE USED:

When more than one heater is used in an area, it is generally preferable to locate them close together. Multiple heaters located on 8' to 12' centers give overlapping heat patterns. This means more total heat reaches peoples in-between units, and will provide comfort in weather even cooler than possible with a single heater.

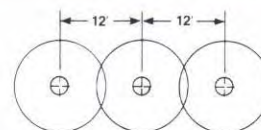
HOW MANY HEATERS TO USE:

Restaurants, and cafes generally use groups of heaters in their outdoor patio dining areas. The numbers may range from one to twenty-five units, or the number required to cover the desired seating areas. The circle of warmth generated by a single heater is sufficient for most spa areas and that intimate patio. Large pool and recreational areas benefit from extended use when several heaters are placed where people naturally gather.

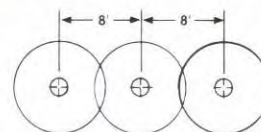
SUGGESTED SPACING WHEN MULTIPLE HEATERS ARE USED:



Spacing for — WELL PROTECTED AREAS and mild climatic conditions.



Spacing for — SEMI-EXPOSED AREAS with average weather conditions.



Spacing for — COMPLETELY EXPOSED AREAS with severe weather conditions.


 sun glo

GAS FIRED INFRARED PATIO HEATERS

MANUFACTURED BY

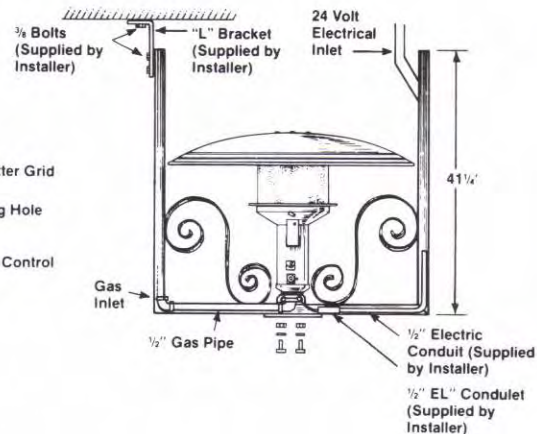
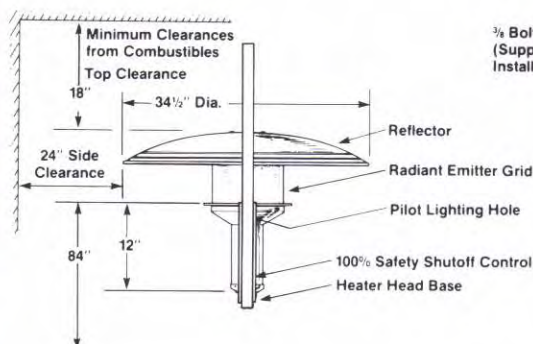
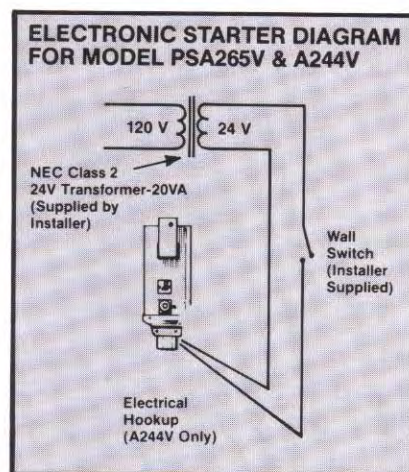


INFRARED DYNAMICS

There are four basic models of the Sun Glo heater to provide as much flexibility in patio design as possible. For an uncovered patio, the model PSA265 permanent is often the best choice. If the configuration of the patio activity varies, the model A242 offers the convenience and economy of a natural gas heater, but the flexibility of a portable heater. The suspended model A244 will heat the patio while leaving the floor free of obstruction. For a completely portable self-contained appliance, the model A270 propane heater can be set up outside almost anywhere.

MODEL A244 & A244V Hanging Heater

- 50,000 BTU/Hr. Input Rating
- 100% Safety Control
- Available with 24 Volt Control
- Corrosion Resistant Construction
- CSA Design Certified
- Attractive Hanging Frame



MODEL PSA265 & PSA265V

Permanent Installation

- 50,000 BTU/Hr. Rating
- 100% Safety Control
- Available with 24 Volt Control
- Constant Pilot
- Corrosion Resistant Construction
- CSA Design Certified

MODEL A270

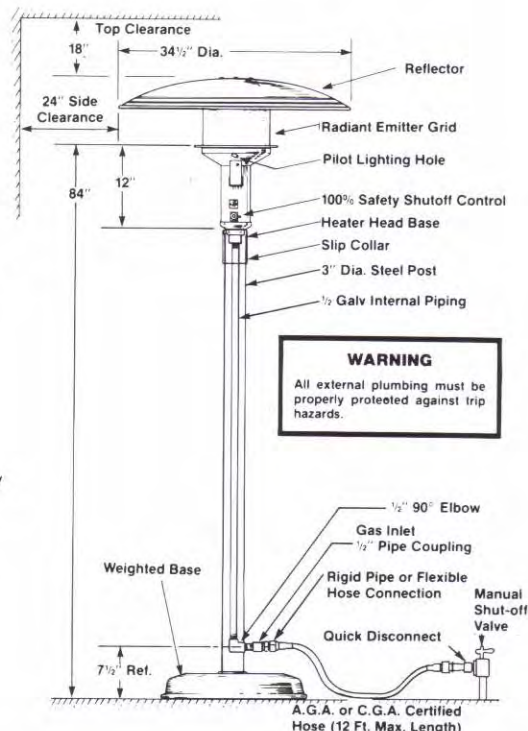
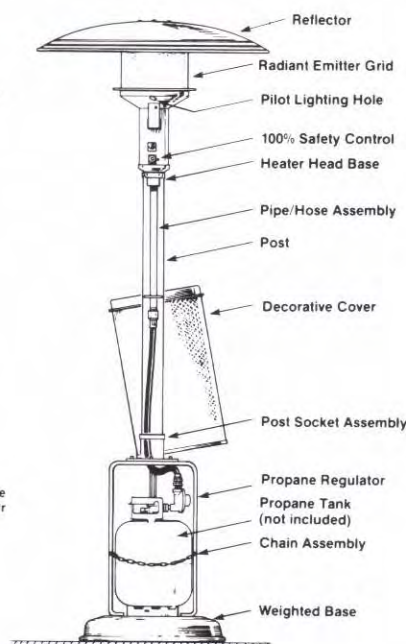
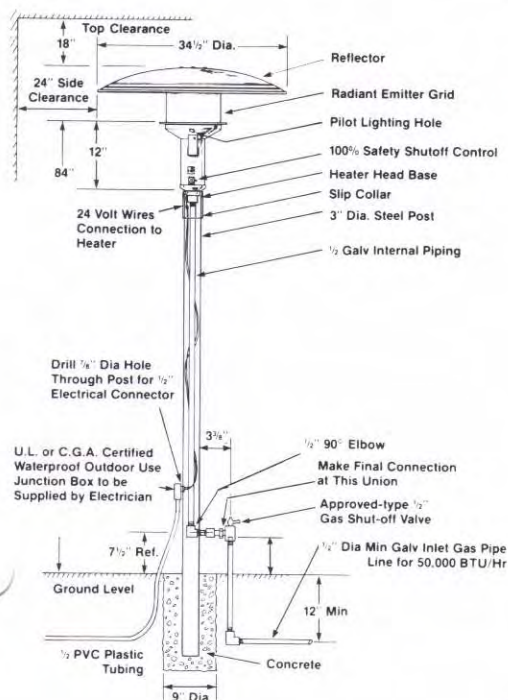
Portable Heater

- 40,000 BTU/Hr. Input Rating
- 100% Safety Control
- Constant Pilot
- No Electrical Connections
- Propane Gas
- Corrosion Resistant Construction
- CSA Design Certified

MODEL A242

Free-Standing Heater

- 50,000 BTU/Hr. Rating
- 100% Safety Control
- Constant Pilot
- Corrosion Resistant Construction
- CSA Design Certified
- No Electrical Connections



WARNING

All external plumbing must be properly protected against trip hazards.



INFRA-RED HEATERS WALL & CEILING MOUNT

The Sunpak patio heater provides radiant warmth outdoors in an unobtrusive manner.

Sunpak is CSA design-certified as an unvented infrared heater for outdoor or indoor installation. All units are equipped with spark ignition and 100% shutoff for safety, economy, and convenience.

Sunpak's aluminized steel enclosure and aluminum face grille provides resistance to wind and rain. A slim body and 0-30 degree angle mounting option on most models, gives Sunpak the versatility to fit easily into a wide variety of patio situations.

MAINTENANCE

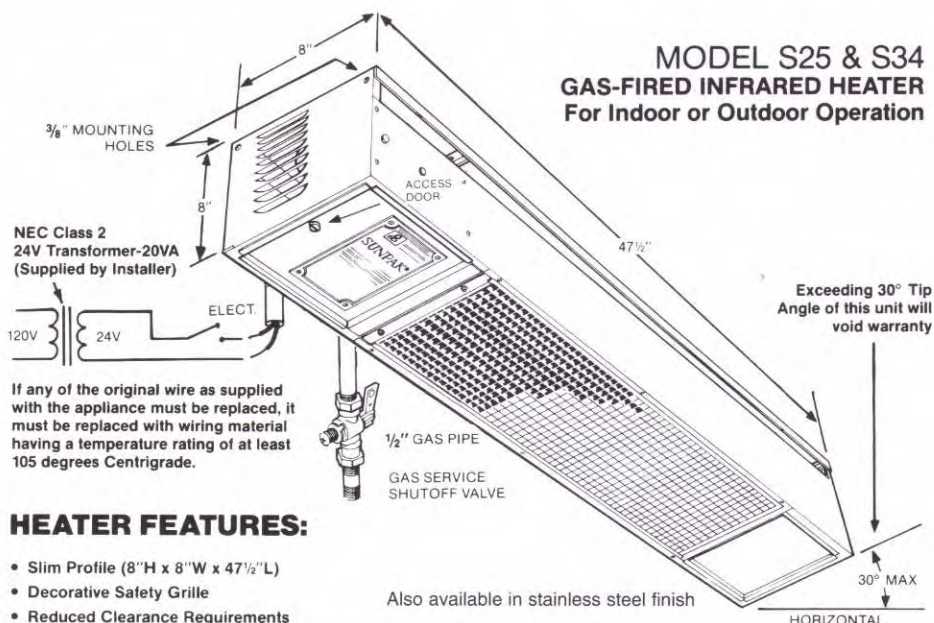
Annual maintenance of all outdoor heaters is recommended. To ensure proper operation of the heater, this maintenance should include removal of cobwebs and other debris which may obstruct the gas flow through the orifice, air flow into the main burner, or pilot.

AVAILABILITY

All Model A270 propane heaters are in stock year-round. All natural gas heaters are stocked on a seasonal basis. A maximum of four weeks should be allowed during off-season. Heaters are available through regional representatives throughout the United States and Canada. For information on local representatives contact Infrared Dynamics at (714) 572-4050. Business hours are between 8:00 a.m. to 3:30 p.m., Pacific Time, Monday through Friday. Individual installation instructions and design guides are available.

CODE COMPLIANCE

All Sun Glo and Sunpak heaters have either complied with ANSI Z83.3 or ANSI Z83.7 standards. All Sun Glo and



HEATER FEATURES:

- Slim Profile (8"H x 8"W x 47 1/2"L)
- Decorative Safety Grille
- Reduced Clearance Requirements
- Angle Mounting — Zero to 30 Degrees
- Ideal for Wind Protected Areas
- Rain Protected
- 25,000 or 34,000 BTU/HR. Input
- Natural or Propane Gas
- Direct Spark Ignition
- 100% Safety Shutoff

Part No.	Model	Description	Dimensions	Type
12001-2	S25-NAT	Sunpak 25,000 BTUH Heater	8"x8"x48"	Natural Gas
12002-2	S34-NAT	Sunpak 34,000 BTUH Heater	8"x8"x48"	Natural Gas
12003-2	S25-LP	Sunpak 25,000 BTUH Heater	8"x8"x48"	Propane Gas
12004-2	S34-LP	Sunpak 34,000 BTUH Heater	8"x8"x48"	Propane Gas
12006		Sunpak Mounting Kit		

For additional information on specific heater models contact your local representative or Infrared Dynamics.

Sunpak heaters are CSA certified.

Codes regarding the storage and handling of propane gas vary from state to state, and in some cases the use of heaters like the Model A270, Portable Propane Heater may be restricted by local authorities.

WARRANTY

All Sun Glo heaters carry a 1 year limited factory warranty. Warranty is limited to repair of heaters at the factory or replacement parts. Any work or repair of the heaters must be performed by qualified service personnel. Infrared Dynamics will not be liable for any other expense to the customer, except as stated above. Additional warranty information may be obtained by writing to the factory.

SUGGESTED SPECIFICATION

Technical Support is available through Infrared Dynamics. Heaters should be specified as follows:

Heater shall be SUN GLO models (PSA265, A242, A244, A244V, PSA265V) as manufactured by Infrared Dynamics, Yorba Linda, California. All heaters shall be equipped with a (manual/24 volt) _____

control system for use with natural fuel. Each heater shall have passed the ANSI requirements for outdoor heaters.

Reflector shall be of a deep dish circular type mounted on top of the heater.

Infrared Emitter shall be made of perforated stainless steel.

Each heater shall be equipped with a 100% safety shutoff device.

OR

Heater shall be SUNPAK models (S25, S34) _____ as manufactured by Infrared Dynamics, Yorba Linda, California. All heaters shall be equipped with a 24 volt spark or hot surface type ignition system for use with (natural/propane) _____ fuel.

Each heater shall have passed the ANSI requirements for outdoor heaters.

Control shall be fully enclosed in a protected compartment inside the heater.

Burner shall be protected with an aluminum face guard.



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