

04/2013

Mod: DRF-BL

Production code: GRFFBL



Diamond
catering equipment

FOOD WARMER

Glo-Ray® Standard and Portable --- Installation & Operating Manual CE

I&W #07.05.042.00

SPEISEWÄRMER
Installations- und Bedienungshandbuch

Modelle: GLO-RAY®
Standard- und Tragbare Ausführung

CALENTADORES DE COMIDAS
Manual de Instalación y Operación

Modelo: Glo-Ray®
Estándar y portátil

RAMPES CHAUFFANTES
Installation et Fonctionnement

Modèle: GLO-RAY®
Courant et portatif

RISCALDATORI
Manual de Instalación y Operación

Modelo: Riscaldatori di Cibo Glo-Ray®
Standard e Portatile

VOEDSELVERWARMER

Handleiding voor Installatie en Bediening

Model: GLO-RAY®
Standaard en Draagbare Versieh

Glo-Ray® Food Warmer

GENERAL

Safety precautions preceded in this manual by the words **WARNING** or **CAUTION** printed in bold face are important. **WARNING** means there is the possibility of personal injury to yourself or others. **CAUTION** means there is the possibility of damage to the unit.

ELECTRICAL SPECIFICATIONS

GLO-RAY INFRARED FOODWARMERS

Glo-Ray Food Warmers operate on 120, 220 or 240 volts depending on order specifications.

Stainless Steel Housing – 220-230 Volts

Model	High Wattage	Model	Standard Wattage
GRH-24	546	GR-24	383
GRH-36	874	GR-36	628
GRH-48	1202	GR-48	874
GRH-60	1530	GR-60	1148
GRH-72	1913	GR-72	1394
GRH-96	2623	GR-96	1885

Aluminum Housing – 220-230 Volts

Model	High Wattage	Model	Standard Wattage
GRAH-18	383	GRA-18	273
GRAH-24	546	GRA-24	383
GRAH-30	721	GRA-30	492
GRAH-36	874	GRA-36	628
GRAH-42	1038	GRA-42	738
GRAH-48	1202	GRA-48	874
GRAH-54	1366	GRA-54	1011
GRAH-60	1530	GRA-60	1148
GRAH-66	1705	GRA-66	1268
GRAH-72	1885	GRA-72	1394
GRAH-84	2241	GRA-84	1639
GRAH-96	2623	GRA-96	1885

Stainless Steel Housing – 230-240 Volts

Model	High Wattage	Model	Standard Wattage
GRH-24	500	GR-24	350
GRH-36	874	GR-36	575
GRH-48	1100	GR-48	800
GRH-60	1400	GR-60	1050
GRH-72	1750	GR-72	1275
GRH-96	2400	GR-96	1725

Aluminum Housing – 230-240 Volts

Model	High Wattage	Model	Standard Wattage
GRAH-24	500	GRA-24	350
GRAH-30	660	GRA-30	450
GRAH-36	800	GRA-36	575
GRAH-42	950	GRA-42	675
GRAH-48	1100	GRA-48	800
GRAH-54	1250	GRA-54	925
GRAH-60	1400	GRA-60	1050
GRAH-66	1560	GRA-66	1160
GRAH-72	1725	GRA-72	1275
GRAH-84	2050	GRA-84	1500
GRAH-96	2400	GRA-96	1725

PORTABLE FOODWARMERS

Portable Foodwarmers operate on 120, 220 or 240 volts.

	220-230V		230-240V	
Model	Watt	Amps	Watt	Amps
GR-B	273	1.30	250	1.04
GRFF	546	2.59	500	2.08
GRFFL	678	3.22	620	2.58
GRFFB	820	3.90	750	3.13
GRFFBL	951	4.52	870	3.63

FRY STATIONS

	220-230V		230-240V	
Model	Watt	Amps	Watt	Amps
GRFS-24	546	2.59	500	2.08
GRFSL-24	678	3.22	620	2.58
GRFSR-24	546	2.59	500	2.08
GRFSLR-24	131	0.62	120	5.00

HEATED SHELVES

	220-230V		230-240V	
Model	Watt**	Amps	Watt**	Amps
GRS-18	262	1.25	240	1.00
GRS-24	328	1.56	300	1.25
GRS-30*	404	1.92	370	1.54
GRS-36	481	2.29	440	1.83
GRS-42*	546	2.59	500	2.08
GRS-48	612	2.91	560	2.33
GRS-54*	700	3.33	640	2.67
GRS-60	765	3.64	700	2.92
GRS-66*	842	4.00	770	3.21
GRS-72	918	4.36	840	3.50

* Indicates models that accommodate multiple food pans: 30" (76 cm)=2 pans, 42" (107 cm)=3 pans, 54" (137 cm)=4 pans and 66" (168 cm)=5 pans.

** Based on standard width of 19-1/2" (50 cm).

ELECTRICAL REQUIREMENTS

For proper installation to local electrical code consult a licensed electrical contractor.

CORD AND PLUG PROVIDED MODELS

Install an approved grounded receptacle to receive plug of models provided with supply cord and plug set.

PERMANENT INSTALLATIONS

Install a supply wire not lighter than 10-gauge copper, rated 90°C (194°F).

CONTROL SWITCHES

When two or more Glo-Ray units are mounted in a situation where the heat from one housing tends to raise the temperature of another, the control switches should be installed in a suitable control box away from the heated zone. Glo-Ray units ordered for multiple installation should not have switches built-in.

LOCATION

It is necessary for safe and proper operation that the food warmer be mounted a reasonable distance from combustible wall and counter top surfaces.

When proper distances are maintained, hot foods will be held at ideal serving temperatures without cooking the foods beyond the point of excellence.

NOTE: *Glo-Ray is not moisture-proof. Do not mount over steamtable unless control switch is in a remote location.*

⚠ WARNING

Electrical grounding is required on this appliance. The grounding must come from the main power supply source and then connected throughout the appliance.

⚠ WARNING

Specified safe distances must be maintained between the Glo-Ray and combustible wall or wall type surfaces and wooden counters or counters that would discolor. If safe distances are not maintained, discoloration or combustion could occur.

STANDARD WATTAGE GLO-RAY

Locate standard wattage Glo-Rays so there is a minimum distance of 10" (25 cm) between the bottom of the Glo-Ray and wooden counters or counters that would discolor.

HIGH WATTAGE GLO-RAY

Locate high wattage Glo-Ray so there is a minimum distance of 13.5" (34,3 cm) between the bottom of the Glo-Ray and wooden counters or counters that would discolor.

CHAIN SUSPENDED OR WALL MOUNTED GLO-RAY

Locate a chain suspended, or wall bracket mounted Glo-Ray so there is a minimum distance of 3" (7,6 cm) from a nonmetallic wall or adjacent surface.

MOUNTING

GENERAL

Glo-Rays are supplied with 2 mounting tabs at each end for chain mounting (**See Figure 1**) or mounting under a shelf or pass through (**See Figure 6**). C-Leg stands, T-Leg stands, wall brackets and tubular stands are available. C-Leg and T-Leg stands can be attached to any standard Glo-Ray. A Glo-Ray is prepared for tubular stand mounting if requested when ordered. Use only recommended mounting methods and approved accessories with your Glo-Ray.

⚠ WARNING

Chain must be of sufficient strength and securely fastened or the Glo-Ray Warmer could come loose, possibly causing personal injury or damage to the unit.

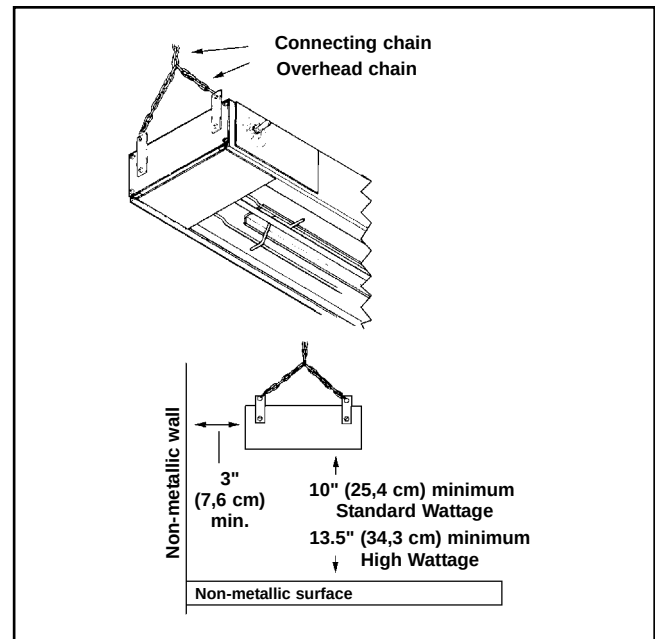


Figure 1. Chain Mounting

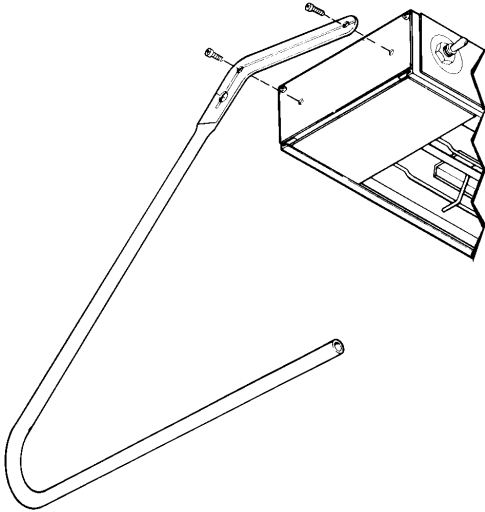


Figure 2. C-Leg Mounting

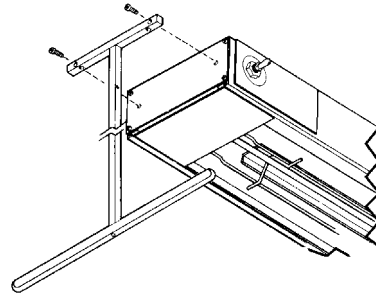


Figure 4. T-Leg End Mounting

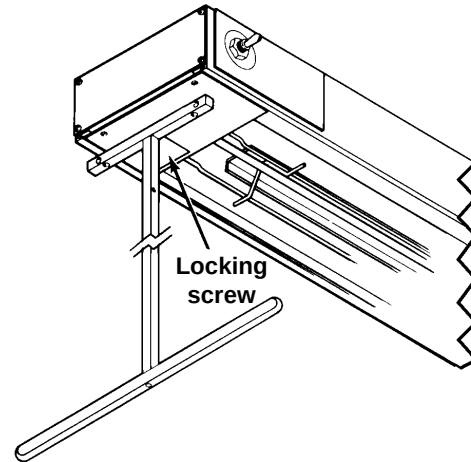


Figure 5. T-Leg Alternate Mounting

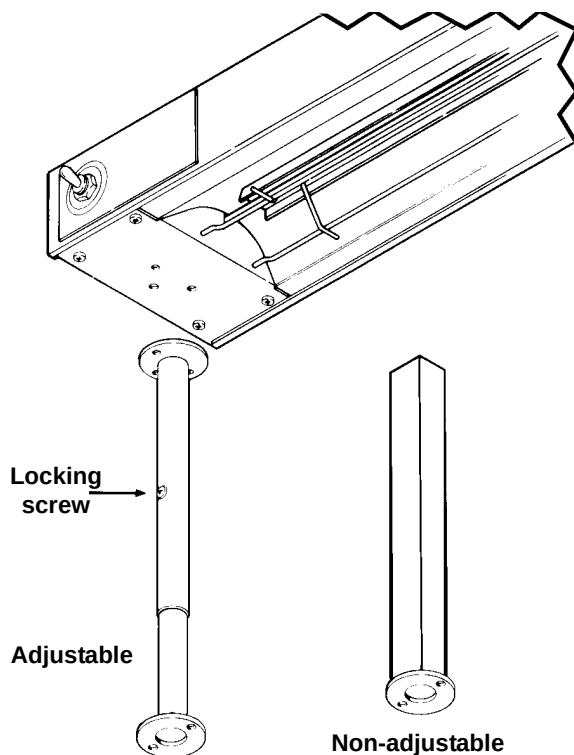


Figure 3. Tubular Stand Mounting

UNDER SHELF (see Figure 4 & 5)

When mounting the Glo-Ray under a shelf keep any switches in the coolest possible location. **A remote control box is advised.**

CAUTION

A minimum of 1.5" (3,8 cm) air gap between food-warmer and underside of shelf is required.

If shelf has rolled or flanged edges that create an overturned trough, mount Glo-Ray below lowest part of rolled or flanged edge, using the optional adjustable angle brackets (**See Figure 6**).

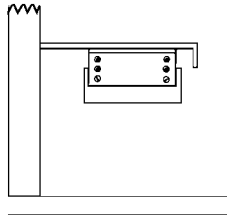


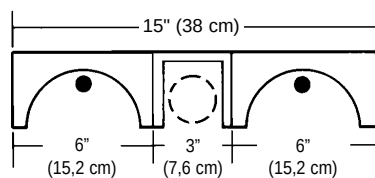
Figure 6. Under Shelf Mounting
with Angle Brackets

POST MOUNT (Consult Factory)

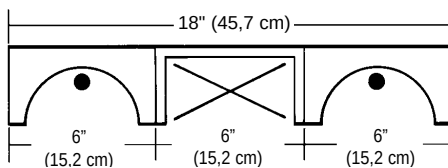
DUAL MOUNTING (see Figure 7)

Glo-Ray Warmers can be mounted side-by-side, providing a space of not less than 3" (7,6 cm) is maintained between units.

Factory ordered dual models are shipped with either a 3" or 6" (7,6 or 15,2 cm) wide spacer, with or without lights. These dual mount spacers are available for aluminum models only. Consult factory before installing warmers side-by-side without spacers.



DUAL WITH 3" (7,6 cm) SPACER



DUAL WITH 6" (15,2 cm) SPACER

Figure 7. Dual Mounting

CAUTION

Installation of two or more warmers with less than 3" (7.6 cm) between housings could result in premature failure of component parts.

CLEANING

⚠ WARNING

The appliance is not of jet-proof construction. Do not use jet-clean spray to clean this appliance.

To preserve the finish of your Glo-Ray Food Warmer it is recommended that exterior surfaces be wiped daily with a damp cloth. Stubborn stains may be removed with a good aluminum or stainless steel cleaner or a non-abrasive cleanser.

CAUTION: *Use only non-abrasive cleaners. Abrasive cleaners could scratch the finish of the Foodwarmer marring its appearance and making it susceptible to soil accumulation.*

Breath protectors may be removed for thorough cleaning and polishing. They should be wiped daily with a soft, damp cloth. If fine scratches are present a good acrylic cleaner may be used to polish the breath protectors and remove the scratches.

CAUTION: *Only soft cleaning cloths should be used to clean breath protectors. Breath protectors are made of shatter-proof acrylic and will scratch if proper care is not taken.*

DISPLAY LIGHT BULB REPLACEMENT

The display light is an incandescent bulb which illuminates the warming area. This bulb has a special coating to guard against injury and food contamination in the event of breakage.

To replace a bulb, disconnect the power supply and wait until the unit has cooled. Display lamps have a threaded base. Unscrew the bulb from the unit and replace it with a new specially coated incandescent bulb. Hatco Shatter-Resistant Bulbs meet NSF standards for food holding and display areas.

SAFETY PRECAUTIONS

Do not add a decorative soffit to hide a pass-through mounted Glo-Ray.

Use only recommended mounting methods and materials and approved accessories to prevent personal injury or damage to the unit.

Be certain that specified safe and proper distances are maintained between the Glo-Ray and combustible wall or wall type surfaces and counters.

See LOCATION.