

EGLX TANK HEATING PANEL



For temperature maintenance applications on Metal and Fiberglass (FRP) tanks.

- *Specifically designed for safe, reliable operation on Metal and Fiberglass storage tanks*
- *Low watt density, high efficiency, flexible heating panels*
- *Two power densities for normal and very heat-sensitive applications*
- *Quick, simple, low cost installation*
- *Proven performance, with over 1,000 major installations worldwide*
- *FM approved to all current IEEE and NEC Standards*

The Eagle Tank Heating Panel was originally developed in 1984 by the Heat Tracing Division of Cooperheat, Inc. The original product was known as the EGL Tank Heating Panel and it was specifically designed to maintain elevated temperatures within Metal and Fiberglass (FRP) storage tanks.

HTD Heat Trace, Inc. purchased the Heat Tracing Division of Cooperheat in 1996. The original EGL Tank Heating Panel has since been modified and upgraded to meet IEEE Standard 515 and Article 427 of the National Electric Code. This upgraded version of the Eagle Tank Heating Panel is now known as the EGLX Tank Heating Panel.

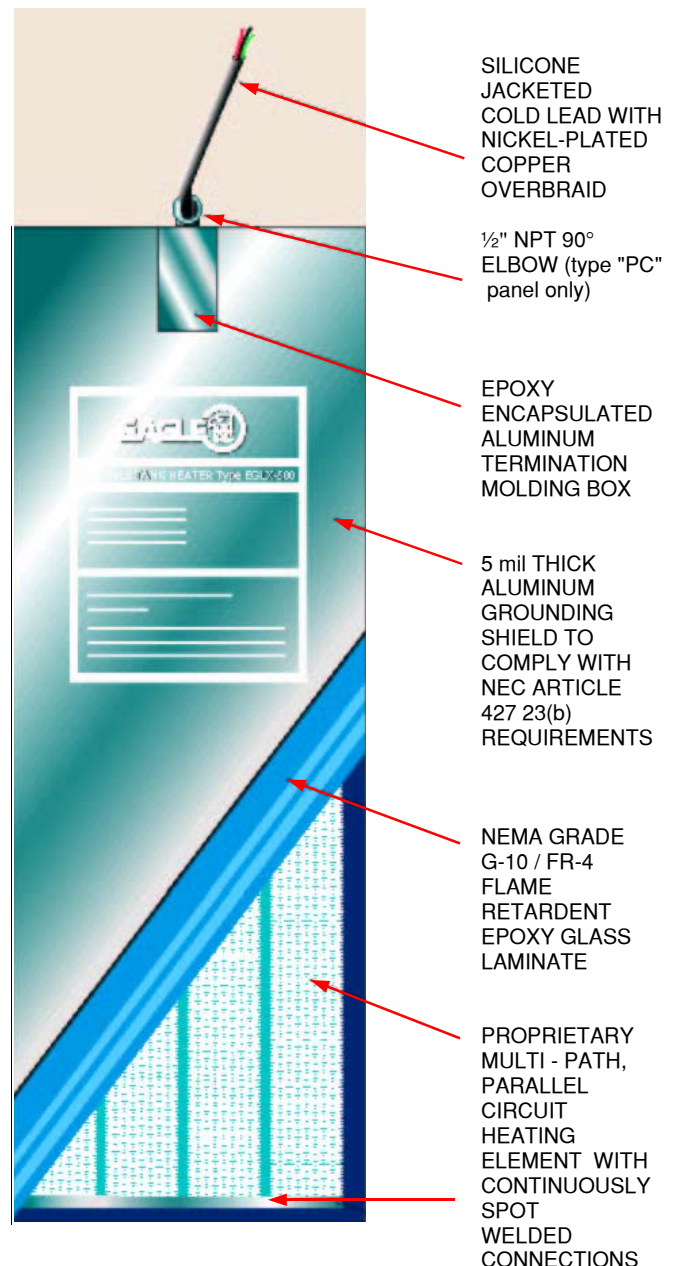
Since 1984, Cooperheat and HTD have successfully designed, engineered and supplied over one thousand Eagle Tank Heating Systems to worldwide users in the Chemical, Petrochemical, Water Treatment, Power, Mining, Steel, Coal and Food Industries. The EGLX Tank Heating Panel is routinely specified by many engineering companies and it is also the product and system of choice for many metal and fiberglass tank fabricators who offer heated and insulated tanks as part of their own product portfolio.

The Eagle Tank Heating panel was originally FM Approved in 1985 and retested and reapproved to current FM, IEEE and NEC standards in 2003.



8 Bartles Corner Road, Unit # 104
Flemington
New Jersey 08822-5758
USA

Tel (908) 788 5210
Fax (908) 788 5204
e-mail: sales@htdheattrace.com
www.htdheattrace.com



PRODUCT FEATURES

- LOW WATT DENSITY** EGLX Tank Heating Panels have a maximum power rating of 0.58 w/sq.in for ultra safe operation and reliability on normal and heat-sensitive applications
- LAMINATED CONSTRUCTION** With its laminated, epoxy composite construction, the EGLX Tank Heating is superbly qualified to meet the rigorous requirements for use in all industrial and climatic environments. It is extremely rugged, completely waterproof, dust-tight and corrosion-resistant.
- MULTI-PATH PARALLEL CIRCUIT HEATING ELEMENT** EGLX Tank Heating Panels are built with unique, multi-path, parallel circuit heating elements that are significantly safer and more reliable than the series type elements used in competitive versions and inferior copies of this unique product.

PRODUCT REFERENCES, RATINGS AND SIZES

- EGLX 500** 500 Watts (0.58 w/sq.in)
48" long by 18" wide
- EGLX 400** 400 Watts (0.37 w/sq.in)
60" long by 18" wide

APPLICATIONS AND USAGE

TANK	APPLICATION	EGLX	EGLX
Mild Steel Copper Aluminum	Up to 200° F	YES	
Above tanks with liner *	Up to 160° F	YES	
	160 to 200° F		YES
Stainless Steel	Up to 160° F	YES	
	160 to 200° F		YES
Stainless Steel with liner *	Up to 120° F	YES	
	120 to 200° F		YES
Fiberglass (FRP)	Up to 120° F	YES	
	120 to 150° F		YES

* Application ranges shown are only typical and do not take into account the maximum exposure or operating temperature of the liner. Consult the tank and/or liner manufacturer before selecting the type of heating panel that is most suited for your usage.

DESIGN RATINGS

- MAX MAINTAIN TEMP** 200°F (93° C)
- MAX EXPOSURE TEMP** 250°F (121° C)
- MIN INSTALLATION TEMP** 0 °F (-18°C)
- MINIMUM BENDING RADIUS** 18" (do not install EGLX panels on any tank that is less than 36 " diameter)
- VOLTAGE RATINGS** 120 and 240 Vac

CONSTRUCTION

- HEATING ELEMENTS** Multi-path, parallel circuitry
- CIRCUIT CONNECTIONS** Stainless steel bridge pieces continuous spot welded with triple welding passes
- DIELECTRIC CONSTRUCTION** Multi-layer glasscloth composite encapsulated within a 0.07" thick epoxy lamination
- LAMINATE PROPERTIES** Density - 0.069 lbs/cu.in
Rockwell Hardness - 115
Flexural Strength - 50,000 psi
Dielectric Strength - 550 vpm
Flammability Rating - UL-94.V.O
- GROUND SHIELD** 5 mil thick aluminum foil
- TERMINATION METHOD** Epoxy encapsulated aluminum termination box
- COLD LEAD CABLE** 3-16 AWG, silicone insulated conductors with silicone rubber outer jacket and Nickel-Plated Copper overbraid
- COLD LEAD LENGTHS** Standard type "CL" panel - 10ft
Custom "CL" - Specify length
"PC" type - ½" NPT, 90° elbow fitting with 2ft cold lead cable

APPROVALS & STANDARDS

FM APPROVED



Unclassified areas
Class I, Div 2 Groups B, C&D
Class II, Div 2
Class III, Div 2

Retested and recertified in 2003 to current IEEE and NEC standards

ORDERING DETAILS

PRODUCT REF EGLX

RATING (400 or 500w)

VOLTAGE (120 or 240)

STYLE (CL or PC)

CUSTOM COLD LEAD LENGTH (type "CL only")

EXAMPLE To order an EGLX 500 panel for operation on 120 volts with a "PC" type termination, specify:
EGLX 500-120-PC