

SPX

For freeze protection and process heating applications on Plastic Tanks

SPX

PLASTIC TANK HEATING PAD

- ◆ Specifically designed for safe, reliable operation on heat sensitive plastic storage tanks
- ◆ Proven epoxy-glass laminate platform performance, with thousands of major installations worldwide
- ◆ Two pad sizes and power outputs for conventional, small and custom-shaped tanks.
- ◆ Quick, simple, low cost, one person installation
- ◆ Ultra low watt density, high efficiency, flexible heating pads with adhesive backs.
- ◆ Pending FM and CSA approval to all current IEEE and NEC Standards

The HTD Heat Trace SPX heater pad is the latest step in the improvement of the SilcoPad range of heaters for plastic tanks.

The SPX epoxy/glass composite construction was first developed and used in the Eagle Panel range of products for heating FRP tanks.

This rugged construction has been re-engineered for performance on heat-sensitive tanks, resulting in a new, ultra-low watt density, highly flexible, waterproof heating pad that includes adhesive backing for quick and simple installation.

The SPX tank heater pad has been specifically designed for temperature maintenance and freeze protection on heat-sensitive polyethylene and polypropylene tanks. These tanks require ultra-low watt density, evenly applied heat.

The SPX heater pad provides this with the added safety feature of an internal over-temperature thermostat. This extra feature ensures that the pad cannot operate above the maximum permissible temperature of the tank.

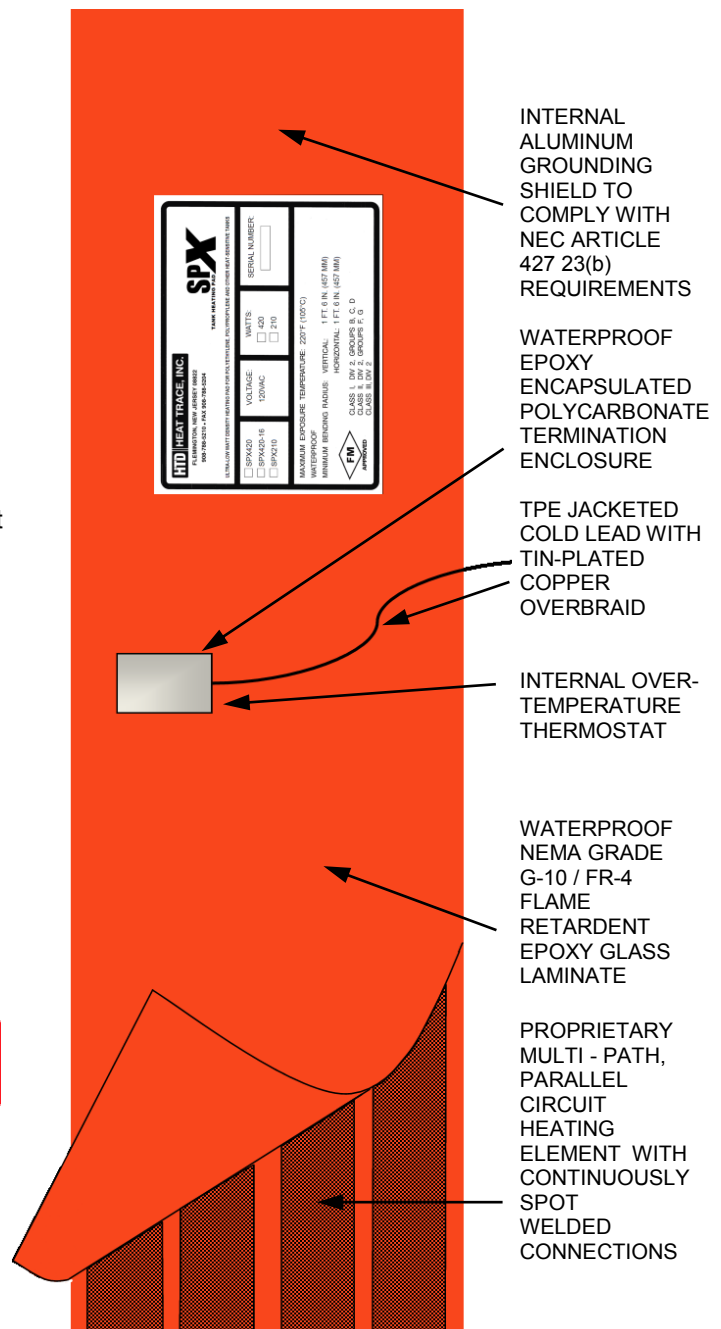
Being completely waterproof, the new SPX heater pad will continue to operate as designed even if rain, flooding or tank overflow infiltrates between the tank and the thermal insulation.

The new HTD Heat trace SPX 210 and SPX 420: engineered for efficiency, long life and safety.



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SPECIFICATIONS



PLASTIC TANK HEATING PAD

PRODUCT FEATURES

ULTRA-LOW WATT DENSITY

SPX Tank Heater pads have a power rating of 0.39 w/sq.in for ultra-safe operation and reliability on heat-sensitive applications

LAMINATED CONSTRUCTION WITH PEEL AND STICK APPLICATION

With its laminated, epoxy composite construction, the SPX heater pad 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

SPX heater pads are built with unique, multi-path, parallel circuit heating elements that are significantly safer and more reliable than the series type heating elements used in competitors products.

PRODUCT REFERENCES, RATINGS AND SIZES

SPX 420 420 Watts (0.39 w/sq.in)
60" long by 18" wide (457 x 762 mm)

SPX 210 210 Watts (0.39 w/sq.in)
30" long by 18" wide (457 x 1524 mm)

APPLICATIONS AND USAGE

TANK MATERIAL	APPLICATION RANGES	SPX 420	SPX 210
Polyethylene, Polypropylene	Up to 150° F (66°C)	YES	YES
FRP	Up to 150° F (66°C)	YES	YES
Steel, Stainless Steel	Up to 150° F (66°C)	YES	YES

DESIGN RATINGS

MAX MAINTAIN TEMP 150° F (66°C)

MAX EXPOSURE TEMP 220°F (104° C)

MIN INSTALLATION TEMP 50 °F (10°C)

MINIMUM BENDING RADIUS 18" (457mm) Do not install SPX panels on any tank that is less than 36 "(914mm) diameter

VOLTAGE RATINGS 120 VAC *Consult HTD for 240 VAC applications

CONSTRUCTION

HEATING ELEMENTS Multi-path, parallel circuitry

CIRCUIT CONNECTIONS Stainless steel bridge pieces continuously spot welded with triple welding passes

DIELECTRIC CONSTRUCTION Multi-layer glasscloth composite

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 mesh

TERMINATION METHOD Epoxy encapsulated polycarbonate termination box

COLD LEAD CABLE 3-16 AWG conductors with TPE outer jacket and Tin-Plated Copper overbraid

COLD LEAD LENGTHS Standard type
SPX420 pad and
SPX 210-10 FT (3 M)

SPX 420-16, 16 FT (4.87 M)

APPROVALS & STANDARDS

Factory Mutual re-approval pending
CSA approval under application



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