

- Fiberglass-Reinforced Silicone Rubber Insulation Jacket
- Stranded Steel Sheath



VH1  
 VH2

Conduit Entry (1/2" NPT)

**Description:**

Nelson Type VH Silicone Tank Heating Panels are constructed with high temperature resistance elements vulcanized between two thin layers of

fiberglass-reinforced silicone rubber and a stainless steel sheath which provides additional mechanical protection and a ground path for hazardous area

installations. The unique panel construction provides a rugged, water and chemical resistant sheath with good flexibility down to -70° F.

**Principle of Operation:**

The use of surface heating panels on metallic tanks and vessels provides larger amounts of heat in smaller areas than when heating cables are used. The labor

to install heating panels is less than a comparable heating cable installation. The heating panels' high concentration of heat allows for significant heat-up capacity to

be installed on the tank surface or for the heat to be focused on a smaller area when low fluid levels in the vessel require heat.

**Application:**

Nelson's VH Heating Panels are suitable for installation on metallic tanks and vessels for freeze protection or process temperature maintenance up to 175°F. Any number of heating panels can be installed on a single tank and connected in parallel or series to minimize electrical distribution

requirements. For applications in which the fluid may drop below the level of the heating panel, a dual thermostat arrangement is recommended. One sensor is installed on the tank to provide temperature control while the second sensor is installed on the surface of the highest mounted heating panel acting as

a hi-temperature cutout switch to protect the heater from abnormal conditions. The panels are easily attached with suitable banding materials and must be mounted below the minimum fluid level on the vessel surface.

**Performance and Rating Data:**

Tank Heater	Size Inches	Watts @100°F	Voltage Vac	Load Amps
VH1-500	12 X 22	500	120	4.17
VH1-1000	18 X 28	1000	120	8.33
VH2-500	12 X 22	500	240	2.08
VH2-1000	18 X 28	1000	240	4.17
VH2-2000	24 X 42	2000	240	8.33
FOR 208 VOLTS MULTIPLY VH2 WATTAGE BY 0.75				

**Heater Specifications:**

Maximum operating temperature:	500°F
Maximum temperature (UL recognition):	428°F
Minimum ambient temperature:	-70°F
Thickness:	.060"
Lead length:	12"
Weight:	12 oz/ft2

**Approvals:**

**FM**

**Ordinary Locations**

**Hazardous (Classified) Locations**

Class 1; Division 2; Groups A, B, C & D

Class 1; Zone 2



Nelson Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Nelson's website at [www.nelsonheaters.com](http://www.nelsonheaters.com).

