



PRODUCT SPECIFICATIONS

RT FlexiPanel™

TANK AND VESSEL HEATING PANEL

APPLICATION

The RT FlexiPanel is a self-contained, high performance flexible heating panel designed specifically for use on metallic tanks and vessels. Designed to provide heat outputs at 3100 Watts per square metre or less, the RT FlexiPanel distributes heat evenly over the entire panel surface. The low profile flexible design of the panel permits rapid, trouble-free installation using the mounting kit available from Thermon.

To ensure multiple flow paths for electrical current to pass, the RT FlexiPanel utilises a parallel circuit design based on a stamped high temperature alloy heating element. This design eliminates the burnout potential common with series wire-based designs. The rugged construction of the RT FlexiPanel includes a tough metal jacket that provides mechanical protection during handling and installation. The panel's heating element is further protected from vibration and moisture by sandwiching it in a heat-laminated layer of silicone rubber that provides cushion and a watertight seal.

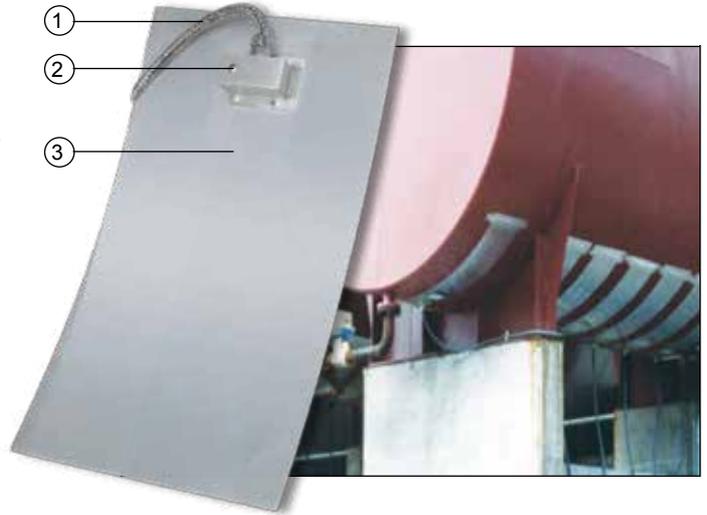
RT FlexiPanels are approved for use in ordinary (nonclassified) and hazardous (classified) areas per U.S. standards.

RATINGS

Nominal outputs.....	500, 1000 and 2000 W
Supply voltages	220-240 Vac
Maximum maintenance temperature	121°C
Maximum continuous exposure temperature	
Power-off.....	232°C
Thermal cutout switch setting ¹	160°C
Minimum installation temperature.....	-51°C

Notes

1. Thermal cutout switch settings are available from 43°C to 160°C; contact Thermon for additional information.



CONSTRUCTION

- 1 High temperature lead wires (1.3 mm²)
- 2 Overtemperature safety cutout switch
- 3 Protective metal jacket
- 4 Parallel circuit high temperature alloy heating element (not shown)
- 5 Heat-laminated, high temperature silicone rubber insulation (not shown)

BASIC ACCESSORIES

Mounting Kit: All FlexiPanels require a mounting kit for installing the panel to a tank or vessel wall. Refer to the back of this specification sheet for details.

CERTIFICATIONS/APPROVALS



Factory Mutual Research
Hazardous (Classified) Locations

THERMON The Heat Tracing Specialists®



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AVAILABLE RT PANELS.

Product Type	Service Voltage	Heat Output W	Current Draw A	Heat Density W/m ²	Panel Dimensions mm
RT-522	240	500	2.1	2635	305 x 610
RT-1022	240	1000	4.2	3100	305 x 1067
RT-2022	240	2000	8.3	3100	305 x 2134

LEAD WIRES AND TERMINATIONS

Each FlexiPanel is equipped with 2.4 m long high temperature silicone rubber insulated wires with a liquid-tight conduit fitting. Other three-wire cords are available; contact Thermon.

ACCESSORIES



RTM Mounting Kit: Provides the materials and tools necessary to install RT FlexiPanels. Kit includes adhesive with applicator, spreader, roller and attachment tape. One kit will facilitate the installation of up to 7500 cm² of heating panel.



Control Thermostats: Thermon offers a complete line of mechanical thermostats and electronic control and monitoring modules designed and approved specifically for electric heat tracing applications.



Power Distribution: For heating applications involving multiple tank or vessel heating circuits or where FlexiPanels will be used in conjunction with electric pipe heat tracing, Thermon can provide complete power distribution and control panels. These panels can be custom-designed to meet the specific requirements of an application, including enclosure type and control and monitoring capabilities. Contact Thermon for complete information.

CIRCUIT BREAKER SIZING AND TYPE

Multiple panels can be energised from the same circuit breaker based on operating voltage and current draw. The current draw, breaker sizing and earth-fault protection should be based on applicable local codes. For information on design and performance on other voltages, contact Thermon.

Earth-fault protection of equipment should be provided for each branch circuit supplying electric heating equipment.