

# TM20 Mechanical Thermostat



nVent RAYCHEM T-M-20-S is a surface sensing thermostat providing temperature control and temperature limiter in safe areas. Available in 3 temperature ranges. 0–100 °C; 0–200 °C; 50–300 °C.

## FEATURES

Easy to use: temperature set point adjustment and limiter reset without opening the enclosure, via removable plugs in the lid

Direct connection of the heating cable

Enclosure protection: both 2 meter long stainless steel fluid filled bulb and capillary are protected at the enclosure by a flexible conduit

High limit cut-out: to prevent the heating system exceeding a preset maximum temperature should the control function fail to operate or an unsafe process temperature occur

## SPECIFICATIONS

|                                       |                           |
|---------------------------------------|---------------------------|
| <b>Hysteresis/Differential:</b>       | 2.5% of temperature range |
| <b>Max Voltage:</b>                   | 230 V                     |
| <b>Controller Switching Capacity:</b> | Max 16 A @ 230 VAC        |
| <b>Limiter Switching Capacity:</b>    | Max 16 A @ 230 VAC        |
| <b>Thermostat Type:</b>               | Mechanical Thermostat     |

Table 1/1

| Catalog Number | Item Name         | Controller Temperature Setting | Limiter Temperature Setting |
|----------------|-------------------|--------------------------------|-----------------------------|
| 1244-022644    | T-M-20-S/+50+300C | 50 – 300 °C                    | 20 – 400 °C                 |
| 1244-022642    | T-M-20-S/0+100C   | 0 – 100 °C                     | 20 – 150 °C                 |
| 1244-022643    | T-M-20-S/0+200C   | 0 – 200 °C                     | 130 – 200 °C                |

## **WARNING**

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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