TubeTrace® Pre-Insulated & Heat Traced Tubing

Freeze Protection and Temperature Maintenance for the Process Industries

For design assistance contact Thermon or visit **www.thermon.com** and download CompuTrace[®] IT Computer Design Software for Instrument Tubing

Typical Electrically Heat Traced Bundles

Typical Steam Traced Bundles SP-4F1-3F1-ATP-065/035



Electrical Heat Trace Application

Typical TubeTrace Type MP

For Freeze Protection or Maintain 150°F (65°C) NO STEAM OUTS Heat Trace Exposure* Limited to 185°F (85°C)

7. Complete line of accessories for TubeTrace and ThermoTube are available.

BSX Self-Regulating Heat Tracing (All BSX includes braid & overjacket. Standard

overjacket is polyolefin, also available with an optional fluoropolymer overjacket.)

40 = BSX 3 w/ft. 120 Vac 43 = BSX 5 w/ft. 240 Vac 46 = BSX 10 w/ft. 120 Vac41 = BSX 3 w/ft. 240 Vac 44 = BSX 8 w/ft. 120 Vac47 = BSX 10 w/ft 240 Vac42 = BSX 5 w/ft. 120 Vac 45 = BSX 8 w/ft. 240 Vac

For Freeze Protection or Maintain 250°F (121°C)

Heat Trace Exposure * to 420 $^{\circ}$ F (215 $^{\circ}$ C)

Typical TubeTrace Type ME

HTSX Self-Regulating Heat Tracing (All HTSX includes braid & overjacket BNOJ) $60 = HTSX \ 3 \ w/ft. \ 120 \ Vac \ 64 = HTSX \ 9 \ w/ft. \ 120 \ Vac \ 68 = HTSX \ 15 \ w/ft. \ 120 \ Vac$ $61 = HTSX \ 3 \ w/ft. \ 240 \ Vac$ $65 = HTSX \ 9 \ w/ft. \ 240 \ Vac$ $69 = HTSX \ 15 \ w/ft. \ 240 \ Vac$

62 = HTSX 6 w/ft. 120 Vac 66 = HTSX 12 w/ft. 120 Vac 70 = HTSX 20 w/ft. 120 Vac63 = HTSX 6 w/ft. 240 Vac 67 = HTSX 12 w/ft. 240 Vac 71 = HTSX 20 w/ft. 240 Vac

For Freeze Protection or Maintain 300°F (149°C) Heat Trace Exposure* to 450°F (232°C)

VSX Self-Regulating Heat Tracing (All VSX includes braid & overjacket BNOJ)

Typical ThermoTube Type SL

30 = VSX 5 w/ft. 120 Vac 33 = VSX 10 w/ft. 240 Vac 36 = VSX 20 w/ft. 120 Vac31 = VSX 5 w/ft 240 Vac 34 = VSX 15 w/ft 120 Vac 37 = VSX 20 w/ft 240 Vac 32 = VSX 10 w/ft. 120 Vac 35 = VSX 15 w/ft. 240 Vac

For Freeze Protection or Maintain 400°F (205°C) Exposure** to 500°F (260°C)

HPT Power-Limiting Heat Tracing (All HPT includes BN braid & may include OJ)

50 = HPT 5 w/ft. 120 Vac 53 = HPT 10 w/ft. 240 Vac 56 = HPT 20 w/ft. 120 Vac 51 = HPT 5 w/ft. 240 Vac 54 = HPT 15 w/ft. 120 Vac. 57 = HPT 20 w/ft. 240 Vac.52 = HPT 10 w/ft. 120 Vac 55 = HPT 15 w/ft. 240 Vac





^{*} Exposure temperatures are generally with heat trace de-energized (off). Exceptions are for HTSX and VSX self-regulating heat trace ratings which allow intermittent exposure, on or off.

^{**}Standard TubeTrace and ThermoTube bundles have a maximum tube temperature rating of 400°F (204°C) if outer jacket is to remain below 140°F (60°C) in a max ambient of 80°F (27°C) with no wind. Extra insulation (bundle option "XINS") maybe considered if tube temperatures approach HPT Powerlimiting limits of 500°F (260°C), power off. For higher exposures [up to 1100°F (588°C)] consider TubeTrace HT or HTX bundles