

Design Worksheet

TANK APPLICATIONS

Tank Information

Tank Reference: _____

Maintenance Temperature: _____ (°F/°C)

Minimum Ambient Temperature: _____ (°F/°C)

Maximum Ambient Temperature: _____ (°F/°C)

Max. Heater Exposure Temperature (Power off): _____ (°F/°C)

(must be less than 366°F (166°C))

Process Maintenance Operating Temperature (Power Off) _____ (°F/°C)

Start-up Temperature: _____ (°F/°C)

Insulation Type / Thickness: _____ / _____

Tank Wall Material: Metal Plastic

Maximum Circuit Breaker Load: _____ Amps Supply Voltage: _____ VAC

Chemical Exposure: None Mild Inorganic Organic/Corrosive

Tank Location: Outdoors Indoors

Required Approvals: CSA

Area Classification: Hazardous Non-Hazardous

If Hazardous: Class: _____ Div.: _____ Group: _____

Flammable Substance(s) _____ T-Rating(s) _____ Ignition Temp _____ (°F/°C)

(drawing)



Tank Information Continued

Tank Top/Ends (select one)

- Flat
- Half Dome
- Full Dome
- Cone
- Height: _____ (ft./m)

Tank Body (select one)

- Vertical Cylinder Diameter: _____ (ft./m) Height: _____ (ft./m)
- Horizontal Cylinder Diameter: _____ (ft./m) Length: _____ (ft./m)
- Rectangular Length: _____ (ft./m) Width: _____ (ft./m) Height: _____ (ft./m)
- Spherical Diameter: _____ (ft./m)

Tank Bottom/Ends (select one)

- Flat
- Half Dome
- Truncated Cone Height: _____ (ft./m) Diameter: _____ (ft./m)
- Truncated Pyramid Height: _____ (ft./m) Length: _____ (ft./m) Width: _____ (ft./m)

Supports (select one)

- Legs Quantity: _____ Cross Sect: _____ (in.²/cm²) Perimeter: _____ (in./cm)
- Open Skirt Cross Sect: _____ (in.²/cm²) Perimeter: _____ (in./cm)
- Saddle Quantity: _____ Cross Sect: _____ (in.²/cm²) Perimeter: _____ (in./cm)
- Slab

Accessories (select all that apply)

- Manholes Quantity: _____ Diameter: _____ (ft./m) Height: _____ (ft./m)
Insulated Sides: yes no
Insulated Top: yes no
- Handholds Quantity: _____ Diameter: _____ (ft./m) Height: _____ (ft./m)
Insulated Sides: yes no
Insulated Top: yes no
- Ladders Contact pts: _____ Cross Sect: _____ (in.²/cm²) Perimeter: _____ (in./cm)
- Hand Rails Contact pts: _____ Cross Sect: _____ (in.²/cm²) Perimeter: _____ (in./cm)

FOR HEATTRACER TECHNICAL ASSISTANCE CALL 1-800-663-6873 (NORTH AMERICA ONLY) OR +1.780.413.1774
