

# Submittal Data Information

## “MPT” Option A Flanged Vertical Multi-Purpose Tanks

SUPERSEDES: June 16, 2016

EFFECTIVE: September 3, 2019

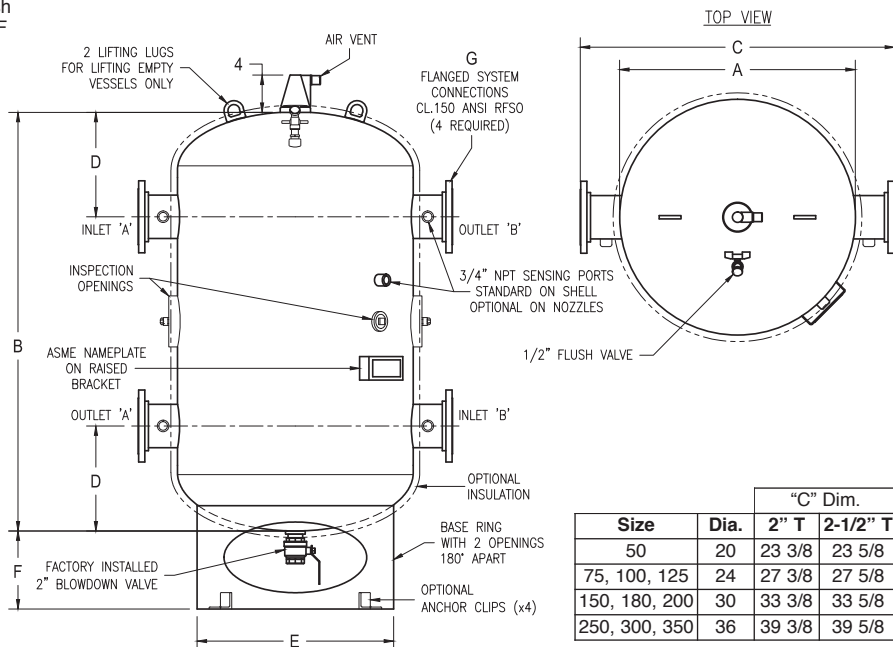
| ITEM | LOCATION | MODEL | QUANTITY | GALLONS |
|------|----------|-------|----------|---------|
|      |          |       |          |         |

### SPECIFICATIONS

- Designed and constructed per ASME Code Section VIII, Division 1.
- Construction: Carbon Steel with exterior red oxide primer finish
- Standard Design Pressure and Temperature: 125 psi @ 240°F
- Flanged inlet and outlet System Connections (standard sizes shown)
- Registered with the National Board of Pressure Vessel Manufacturers
- Integral Air Vent (Suitable for water, max. 50% glycol)
- Factory installed 2" Blow Down Valve
- Brass Flushing Cock
- U-1A Data Report
- (1) 2" NPT Inspection Opening – MPT0050 thru MPT0350
- (2) 4"X6" Inspection Handholes – MPT0400 thru MPT1050
- (1) 3/4" Temperature/ Pressure port on shell
- Optional 150 PSI working pressure

### OPTIONS (Consult Factory)

- Optional materials of construction
- Higher design pressures and temperatures
- Optional System Connection sizes available
- Thermal insulation
  - ☐ None
  - ☐ Chilled Water 1/2" Armaflex
  - ☐ Heating Water 1" Silicon Blanket
  - ☐ Other \_\_\_\_\_
- Optional Connection Types
  - ☐ "T" Female NPT Threaded 2" & 2 1/2" only. Available only on sizes, MPT0050 thru MPT0350
- 3/4" NPT Temperature/ Pressure Ports
  - ☐ (5) 3/4" Temperature/ Pressure ports: One port on shell and on each nozzle
- ☐ Optional Anchor Clips
- ☐ 150 PSI Working Pressure



| Size          | Dia. | "C" Dim. |          |
|---------------|------|----------|----------|
|               |      | 2" T     | 2-1/2" T |
| 50            | 20   | 23 3/8   | 23 5/8   |
| 75, 100, 125  | 24   | 27 3/8   | 27 5/8   |
| 150, 180, 200 | 30   | 33 3/8   | 33 5/8   |
| 250, 300, 350 | 36   | 39 3/8   | 39 5/8   |

| MODEL NUMBER      | TANK VOLUME | A DIAMETER | B    | C**  | D      | E DIAMETER | F      | G        | APPROX. WEIGHT |
|-------------------|-------------|------------|------|------|--------|------------|--------|----------|----------------|
|                   | GAL.        | INCH       | INCH | INCH | INCH   | INCH       | INCH   | SIZE     | LBS.           |
| MPT0050F_-125N1AN | 50          | 20         | 43   | 30   | 11 1/2 | 18         | 12 7/8 | 2, 3, 4  | 270            |
| MPT0075F_-125N1AN | 75          | 24         | 46   | 34   | 12 5/8 | 20         | 12 7/8 | 2, 3, 4  | 320            |
| MPT0100F_-125N1AN | 100         | 24         | 61   | 34   | 12 5/8 | 20         | 12 7/8 | 2, 3, 4  | 360            |
| MPT0125F_-125N1AN | 125         | 24         | 76   | 34   | 12 5/8 | 20         | 12 7/8 | 2, 3, 4  | 410            |
| MPT0150F_-125N1AN | 150         | 30         | 60   | 40   | 14 1/4 | 24         | 13 1/2 | 2, 3, 4  | 600            |
| MPT0180F_-125N1AN | 180         | 30         | 71   | 40   | 14 1/4 | 24         | 13 1/2 | 2, 3, 4  | 680            |
| MPT0200F_-125N1AN | 200         | 30         | 78   | 40   | 14 1/4 | 24         | 13 1/2 | 2, 3, 4  | 720            |
| MPT0250F_-125N1AN | 250         | 36         | 69   | 46   | 16 3/4 | 30         | 13 1/2 | 3, 4, 6  | 830            |
| MPT0300F_-125N1AN | 300         | 36         | 82   | 46   | 16 3/4 | 30         | 13 1/2 | 3, 4, 6  | 940            |
| MPT0350F_-125N1AN | 350         | 36         | 94   | 46   | 16 3/4 | 30         | 13 1/2 | 3, 4, 6  | 1030           |
| MPT0400F_-125N1AN | 400         | 48         | 65   | 58   | 19 5/8 | 44         | 12 7/8 | 4, 6, 8  | 1230           |
| MPT0450F_-125N1AN | 450         | 48         | 72   | 58   | 19 5/8 | 44         | 12 7/8 | 4, 6, 8  | 1300           |
| MPT0500F_-125N1AN | 500         | 48         | 79   | 58   | 19 5/8 | 44         | 12 7/8 | 4, 6, 8  | 1380           |
| MPT0700F_-125N1AN | 700         | 48         | 100  | 58   | 19 5/8 | 44         | 12 7/8 | 4, 6, 8  | 1520           |
| MPT0850F_-125N1AN | 850         | 54         | 99   | 64   | 23 1/2 | 50         | 13 1/8 | 4, 6, 8  | 2110           |
| MPT1050F_-125N1AN | 1050        | 60         | 99   | 70   | 25 3/4 | 54         | 14     | 6, 8, 10 | 2370           |

Nozzle Ports are shown for placement and clarity only.

\*\* Add 2" to "C" dimension when specifying 10" nozzles

\*\* Add 4" to "C" dimension when specifying 1.5" or thicker insulations

NOZZLE SIZES OFFERED  
Circle desired size below.

