



SPECIFICATIONS

MATERIAL
 TANK AND RELATED PARTS: TYPE 316L STAINLESS STEEL
 JACKET AND RELATED PARTS: TYPE 304L STAINLESS STEEL
 VESSEL SUPPORT: TYPE 304L STAINLESS STEEL
 MANHOLE GASKET: O-RING SILICONE (FDA APPROVED)
 COUPLINGS: 3000°
 FLANGED NOZZLES: 150° ANSI-RF T-316L S.S. SLIP-ON FLANGE WITH SCH. 40 NOZZLE NECK

- CONSTRUCTION**
1. VESSEL IS OF CODE DESIGN AND FABRICATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE A.S.M.E. CODE SECTION VIII, DIVISION I.
 2. ALL WELDED USING ELECTRIC ARC.
 3. ALL WELDING SHALL BE FULL, CONTINUOUS, OF UNIFORM SIZE AND FREE OF SLAG, UNDERCUTS AND OTHER DEFECTS.
 4. ALL MAIN SEAMS TO BE BUTT JOINTS, DOUBLE WELDED OR ITS EQUIVALENT.
 5. THE FINISHED SIZE OF FILLET WELDS MUST BE A MINIMUM OF THE SIZE SHOWN OR IF NOT SHOWN THE SIZE OF A FULL FILLET.
 6. FOR TANKS WHERE CARBON STEEL IS WELDED TO STAINLESS STEEL USE TYPE 309 STAINLESS STEEL COATED ROD OR EQUAL FOR SHIELDED ARC.
 7. ALL BOLT HOLES TO STRADDLE MAJOR VESSEL CENTER LINES (Ø-180°) OR ITS PARALLEL, UNLESS OTHERWISE NOTED.
 8. ALL GASKET SURFACES MUST BE FREE OF WARP AND FLAT TO WITHIN .004".
 9. TANK INTERIOR MUST BE COMPLETELY SELF DRAINING.

| DESIGN CONDITIONS | TANK | JACKET |
|-----------------------------|------------------------------------|-----------------|
| DESIGN PRESSURE | 50 PSIG & F.V. | 150 PSIG & F.V. |
| DESIGN TEMPERATURE | -20° TO 365° F. | -20° TO 365° F. |
| HYDROSTATIC TEST PRESSURE | 80 PSIG | 237 PSIG |
| CORROSION ALLOWANCE | NONE | NONE |
| ALLOWABLE STRESS | 15,700 PSI | 14,900 PSI |
| RADIOGRAPHY | FULL HEADS/SPOT * CHC & LONG SEAMS | — |
| JOINT EFFICIENCY HEADS | 100% | — |
| JOINT EFFICIENCY SHELL | 85% | — |
| CODE STAMP & N.B. NO. REQ'D | YES | YES |

FINISHES
 INTERNAL: No. 4, 180 GRIT (32-42 RMS) FINISH WITH WELDS GROUND SMOOTH & FLUSH TO MATCH.
 EXTERNAL: MILL FINISH WITH WELDS GROUND SMOOTH & FLUSH TO MATCH.

ESTIMATED WEIGHTS EMPTY _____ FULL _____

RELATED DRAWINGS
 DAA-000-01 TYPICAL TANK DETAILS
 DSM-018-01 18" DIA. S.S. SANITARY MANHOLE

| Q | 1 | 1/2" TRI-CLAMP 14MPW-TANK WELDING FERRULE | SPARE | DAA-000-01 1 |
|---|---|--|---------------------|------------------|
| P | 1 | 2" TRI-CLAMP 14MPW-TANK WELDING FERRULE | LIGHT | DAA-000-01 1 |
| N | 1 | BURNS FLUSH BULB TEMP. REC. PROVIDED BY ABBOTT. INSTALLED BY FABRICATOR. | TEMP. | — |
| M | 1 | 3" TRI-CLAMP 14MPW-TANK WELDING FERRULE | SPRAY BALL | DAA-000-01 1 |
| L | 1 | ASHCROFT PART #15 W 0450 LHW 260SL WELD-IN TYPE THERMOWELL | TEMP. | — |
| K | 2 | 1/2" HALF COUPLING | INSUL. TEST CPL'GS | DAA-000-01 5 |
| J | 2 | MANIFOLD JACKET WITH 1/2" THREADED COUPLING | JACKET INLET/OUTLET | DAA-000-01 18 |
| H | 1 | 1/2" ASEPCO FLUSH BOTTOM VALVE WITH PNEUMATIC OPERATOR. PROVIDED BY ABBOTT. INSTALLED BY FABRICATOR. | DRAIN | DAA-000-01 1 |
| G | 1 | 2" TRI-CLAMP 14MPW-TANK WELDING FERRULE | SAFETY VENT | DAA-000-01 1 |
| F | 1 | 1/2" TRI-CLAMP 14MPW-TANK WELDING FERRULE | MANUAL VENT | DAA-000-01 1 |
| E | 1 | 1/2" TRI-CLAMP 14MPW-TANK WELDING FERRULE | PURGE INLET | DAA-000-01 1 |
| D | 1 | 1/2" TRI-CLAMP 14MPW-TANK WELDING FERRULE WITH DIVERTER | PRODUCT INLET | DAA-000-01 16 |
| C | 2 | 4" J.M. CANTY FUSSVIEW SIGHT GLASS MODEL #316-SS-4-FV150 TRI. PROVIDED AND INSTALLED BY FABRICATOR. | SIGHT/LIGHT | — |
| B | 1 | 8" FLANGED MIXING NOZZLE | AGITATOR | DAA-000-01 1 |
| A | 1 | 18" DIA. S.S. SANITARY MANHOLE | MANWAY | DSM-018-01 |

TANK OPENINGS
 PLOTTED: 11-8-95

| R | 1 | SANITARY TANK SPUD FOR ROSEMOUNT INC. MODEL 3051 PRESSURE TRANSMITTER. PURCHASED BY ABBOTT. INSTALLED BY FABRICATOR. | LEVEL | — |
|---------------|---|--|---------|--------|
| LET. NO. REQ. | | DESCRIPTION | SERVICE | DETAIL |

NOTICE!
 THIS IS A COMPUTER PLOT.
 CHANGES MUST BE MADE ON THE CAD SYSTEM

ABBOTT LABORATORIES
 NORTH CHICAGO, ILLINOIS

300 U.S. GAL. S.S. DIMPLED JACKETED DRUG MIX TANK

FILE NO.: vsc00312.dgn
 DRWG. NO.: VSC-003-12
 REV. NO.: D

DESIGNER: R. VOGELMAN
 CHECK: J. DVORSCEK
 ENGINEER: J. DVORSCEK
 DATE: 3-17-95
 SCALE: _____

FOLDER #9516

| NO. | DATE | REVISION | DRAFTER | ENGINEER | NO. | DATE | REVISION | DRAFTER | ENGINEER | NO. | DATE | REVISION | DRAFTER | ENGINEER |
|-----|---------|--|---------------|-------------|-----|---------|-----------------|-------------|-------------|-----|----------|-------------------|-------------|-------------|
| A | 9-20-95 | SHOWED LOCATION OF BOTTOM VALVE OUTLET AND ADDED NOZZLE "N". | R.S. VOGELMAN | J. DVORSCEK | B | 10-3-95 | ADDED NOZZLE R. | R. VOGELMAN | J. DVORSCEK | C | 10-12-95 | GENERAL REVISIONS | R. VOGELMAN | J. DVORSCEK |