



## Emulsion Buffer Tank, 750 Gal



### Description

Seven hundred fifty gallon dome top, reversed flanged and dished insulated Emulsion Buffer Tank with a sweeping agitator and a high-efficiency Sharpe mixer.

Equipped with inspection ladder for easy access to manhole or for servicing of top-mounted valves/motors. The tank is jacketed/insulated and further equipped with agitator to ensure product mixing and proper heat distribution.

### Tank Dimensions

- Actual capacity of 835 gallons to top head seam
- 64" OD, 58" ID; approximate 146" overall height to the top of the agitator motor
- (3) 3" SCH 40 pipe legs with adjustable load cell plates

### Materials

- 316L stainless steel product contact surfaces
- 304 stainless steel non-product contact surfaces

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## Technical specifications


### TANK DESIGN:

- TURBINE AGITATOR: OFFSET 16" DIAMETER TWO BLADED TURBINE ON A SCH 80 PIPE SHAFT DRIVE SHAFT WITH 3" TRI-CLAMP ENTRY SEAL
- TURBINE GEARMOTOR: NORD 2 HP, CLINCHER GEAR REDUCER, SINGLE SPEED, 59 RPM, 230/460 VOLT, 3ph, 60 Hz WITH STAINLESS STEEL BALDOR MOTOR
- SHARPE, MODEL FGP-075, WHITE EPOXY PAINTED F-SERIES MIXER, SINGLE SPEED, 350 RPM, 230/460 VOLT, 3ph, 60 Hz WITH (1) HYFLO 218 X 8" DIAMETER HYDROFOIL IMPELLER LOCATED AT BOTTOM OF 1" SOLID ROUND X 42" LONG SHAFT. SHAFT ENTERS TANK AS AN OFFSET DESIGN THROUGH A FLARED HOLE COVERED BY A RUBBER DUST SHIELD.
- INLETS:
  - ◆ (4) 1" TRI-CLAMP FERRULES (LEVEL, PRODUCT INLET & PT-100 PROBES)
  - ◆ (1) 1-1/2" TRI-CLAMP FERRULE (LEVEL TRANSMITTER)
  - ◆ (3) 3" TRI-CLAMP FERRULES IN TOP HEAD WITH 2" REMOVABLE DOWN NO FOAM ASSEMBLIES
- OUTLET: 2-1/2" HEAVY WALL TRI-CLAMP FERRULE (APPROX. 15-3/4" OUTLET HEIGHT)
- MANWAY: 16" ROUND TOP ENTRY WITH OUTSIDE CLOSURE
- INTERIOR FINISH: #4 FINISH (180 GRIT) WITH WELDS GROUND SMOOTH AND FLUSH
- EXTERIOR FINISH: 2B MILL FINISH WITH WELDS GROUND SMOOTH AND FLUSH



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