

**Mixer Details:**

What are you mixing?

Fluid Properties:

- Viscosity
- Specific Gravity
- Solids %
- Solids Sink or Float?

Mix Max Volume

Wetted Components? 316L SST, PolyPro, Teflon Coat

Air or Electric Driven? Available Power?

**Tank Details:**

Is there an existing tank? Any references? (drawings, photos, etc.)

Material of Construction? 316L SST, PolyPro, Teflon Coat

Heating or Cooling Elements? Insulation?

Internal Pressure or Vacuum?

Biopharma Duty?

**Options:**

**Mixer**

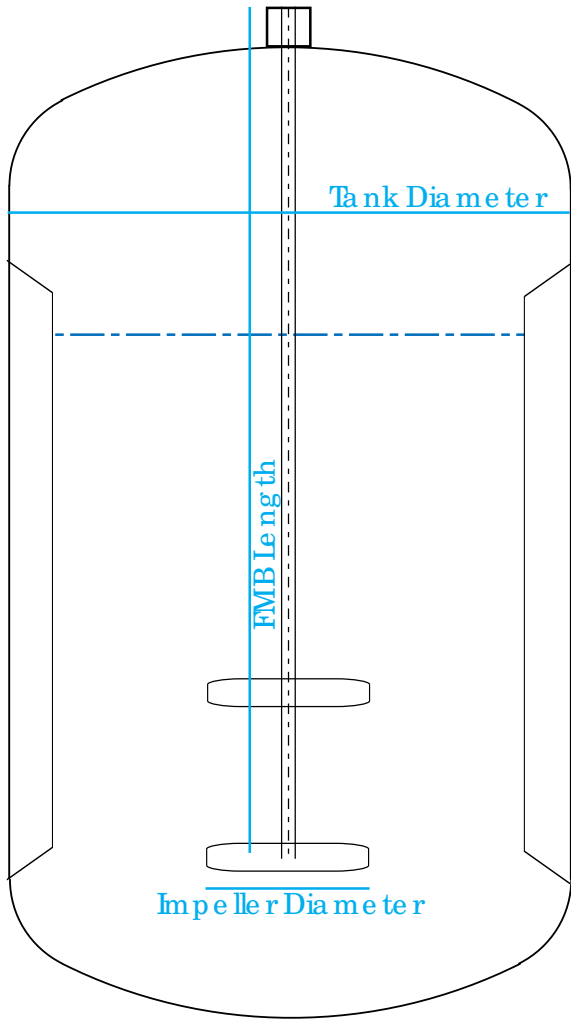
Speed Control (VFD / Air Filter Regulator)  
Non-Lubricated Air Motor  
SST Sanitary Air Motor  
Washdown Motor  
Explosion Proof (XP) Motor  
Special Finishes / Polishes  
Mixer Lifting Device or Stand  
Mixer Seal

**Tank**

ASME Stamp on SST Tank  
Remote Temperature Control Unit  
Immersion Heaters  
Outlet Valve Style (typically Diaphragm)  
Mobility – Castor wheels, push handles  
Ribo Testing  
Mezzanines, Stairways, Bag Dump

**Accessories**

Load Cells or Floor Scale  
Inlet & Outlet Pumps  
Sample Valves  
Sight Glasses & Light  
Level Sensors (Ultrasonic, Radar, GWR)  
pH Sensors  
Tachometer



**Tank / Vessel:**

We offer many options for mixtanks:

- 316L SST – Industrial-Sanitary-Biopharma
- Exotic Alloys – Hast C and Hast B and Others
- USP VI PP – Polypropylene Plastic
- FDA HDPE – Polyethylene Plastic
- PFA + USP VI ETFE Coated Mixtanks
- Volumes 1gal – 10,000gal+
- Any Customization Available

**Tank Options**

- Heating and Cooling Jacket, <15psig and ASME Coder
- Temperature Control Unit Plumbed
- Immersion Heaters
- ASME Code for Tank Pressure/Vacuum
- Manways to Suit
- Variety of Outlet Valves, Including Flush Mount Ball and Diaphragm
- Instrumentation
- Tri-Clamp or Flanged Fittings
- Castors for Portability, Fork Channels Optional
- Spray Balls or Nozzles, Manifolding/Valves and Optional Ribo Testing
- GMP Documentation Packages
- Mezzanines, Stairways, and Bag Dump Stations for Solids or Solids Feeding
- Bioreactors and Fermenters
- Single-Use Mixing Systems - Manual to Fully PLC Automated

**Mixer:**

We offer many options for mixer applications:

- 316Lss – Industrial-Sanitary-Biopharma
- Air or Electric Driven, TEFC + XP + ATEX
- Variable Speed Controls – Prewired and Tested
- Exotic Alloys + PFA + USP VI ETFE Coatings Available
- Adjustable Impellers or Weld-in-Place – Any Impeller Design
- Sealless, Lip Seal, or Mechanical Seal Designs
- Top + Bottom Entry Designs
- Bottom Entry Magmixers Available; Biopharma Ready
- Optional Tachometer Assemblies Validating Shaft Speed
- Designed to Handle Your Mixture Viscosity/Density/Solids
- Low Shear, High Shear, High Flow, and Low Liquid Level Mixing Accommodations
- GMP Document Packages
- For Single Use Mixers – Please Contact Us

**Accessories:**

- Load Cells or Floor Scale, Intrinsically Safe is Optional
- Inlet & Outlet Pumps, Pre-Plumbed
- Recirculation Lines
- Zero-Deadleg Sample Valves
- Sight Glasses + Light

**Measurement Devices**

- Level Sensors
- pH Sensors
- Pressure Sensors/Gauges
- Temperature Sensors/Gauges
- Tachometer RPM Measurement
- Any Customization Available
- IQ/OQ
- FATs

**Controls:**

- Mixer Speed Controller Only
- Full PLC Automation with Touch Screen HMI
- Intrinsically Safe Controls for XP areas
- Recipe Management

**White Mountain PROCESS**  
*Mixing + Blending Solutions Built to Your Specifications*  
 wmprocess.com | (508) 680 - 3765

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Title:		
Model:	WMP MIXTANK CONCEPT DRAWING	
S/N:		
Other:		
Dwg #:	WMP-MIXTANK-CONCEPT	Rev A.0