

MPADVANTAGE™ VCS Batter Mixer

BATTER MIXING ACCURACY IS THE HEART OF THE PATENTED MPADVANTAGE™ VCS ALLOWING PROCESSORS TO EXCEED THEIR QUALITY AND YIELD SPECIFICATIONS.

U.S. Patent No. 7,344,299

Machine Features

- Ultrasonic in-line viscometer controlling a wide range of viscosities with extremely tight tolerances. No calibration required. CIP capable
- Construction is all stainless steel frame with US standard fasteners, bearings, sprockets, belting and shafts with sanitary open frame design
- Fully automated controls using an AB PLC & color touchscreen for 100% automated control of batter mixing and monitoring
- Electrical control characteristics:
 - Automated start-up sequence for more consistent and quicker start ups
 - Stainless steel sloped top NEMA 4X enclosures
 - Temperature monitoring in mix tank and supply water
 - Shut down feature that reduces batter waste as shutdown from approx. 65 gallons to as low as 5 gallons
 - Ethernet networking capability
- High efficiency 50 and 70 gallon insulated tanks
- All stainless steel viscosity pump and motor with direct drive
- Stainless steel 2 hp mixer
- Sanitary stainless steel water piping
- Stainless steel feed pump and motor with direct drive are controlled using variable frequency drives for speed and flow control with push-button control
- Ergonomically designed low profile batter hopper available in standard 48" load height/100 lb. capacity or optional 34" load height /100 lb. capacity)
- Can produce batter with tolerances of less than one-third of a cup second, which equals 5-6 centipoise
- Stainless sanitary piping



Patented MPADVANTAGE™ VCS Batter Mixer

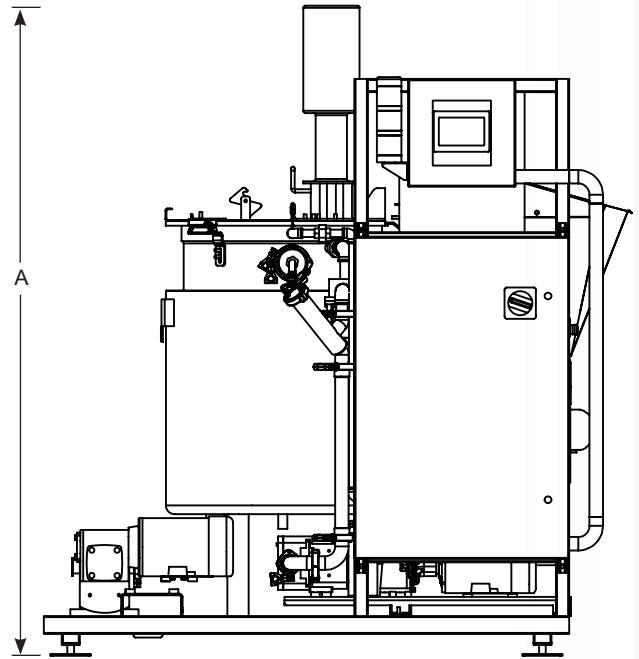
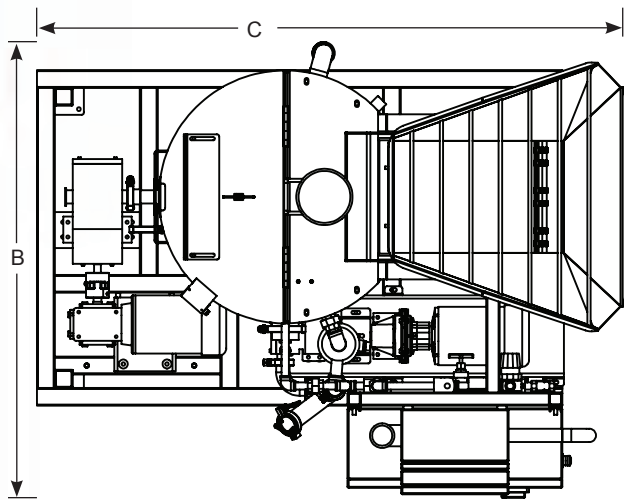
- Out-of-spec alarm system monitoring temperature and motor overloads
- Perforated parts basket for all sanitary and pump parts
- Stainless steel mix tank w/cooling jacket on exterior of side and bottom of tank (180 PSI A.S.M.E. Certified/Stamped)
- Flow Tech PD 400 SS Positive Feed Pump with variable speed and stainless steel 1.5 hp motor with gear reducer

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Technical Information

MACHINE DIMENSIONS

Machine	A	B	C
VCS with std. hopper	72.625"	50.875"	65.625"
VCS with 30" hopper	72.6"	50.9"	87.7"
VCS with 70 gallon tank	72"	52"	63.5"



Note: Positive displacement pump option shown

UTILITY MATRIX

voltage	phase	amps	water	refrigeration	pipe conn.	comments
480/230	3	30/60	15 gpm		1/2" line/60 psi	Supply circuit to control panel Water meter not included. Incoming water temperature can be monitored using a RTD, supplied by customer. Chilled water supply recommended.
				10 ton	1" NPT (male)	Refrigeration solenoid supplied by customer (120V). Tanks have side and bottom jackets. Preferred refrigerants: chilled water, Glycol or Ammonia
					1 1/2" sanitary	Feed pump outlet that connects to the batter applicator.
					1 1/2" sanitary	Return pump pipe connection to tank
						Dry mix hopper capacity: 100 lbs. Hopper height: 48" Mixing tank capacity: 50 gal.

Specifications subject to change

- SERVICES OFFERED -

- 24/7 Service
- Spare Parts Department
- Application Support
- Technical Support
- Line Audits

- MP WARRANTY POLICY -

MP Equipment will repair or replace any MP manufactured component that fails due to defect in material or workmanship within 24 months from shipment.

All OEM parts covered by individual warranties.

MP EQUIPMENT COMPANY

Your Best Value for Processing Solutions

