

Ultra Mass Series ELECTRIC - Batch Control System - for non-conductive liquids -

The Ultra Mass Batch Control is an innovative system designed for dosing applications from drums, ToteTanks® and kettles. Simply dial in your desired volume or weight and the Ultra Mass BCS will deliver a preset dose of product – virtually hands free. The system's components are 3A certified insuring the highest quality product suitable for the Food Processing, Pharmaceutical, Dairy and Bio-Tech industries.

Common Applications

- Sauces
- Creams
- Dairy Products
- Shampoo & Conditioner
- Pharmaceutical Ingredients
- Pie Fillings



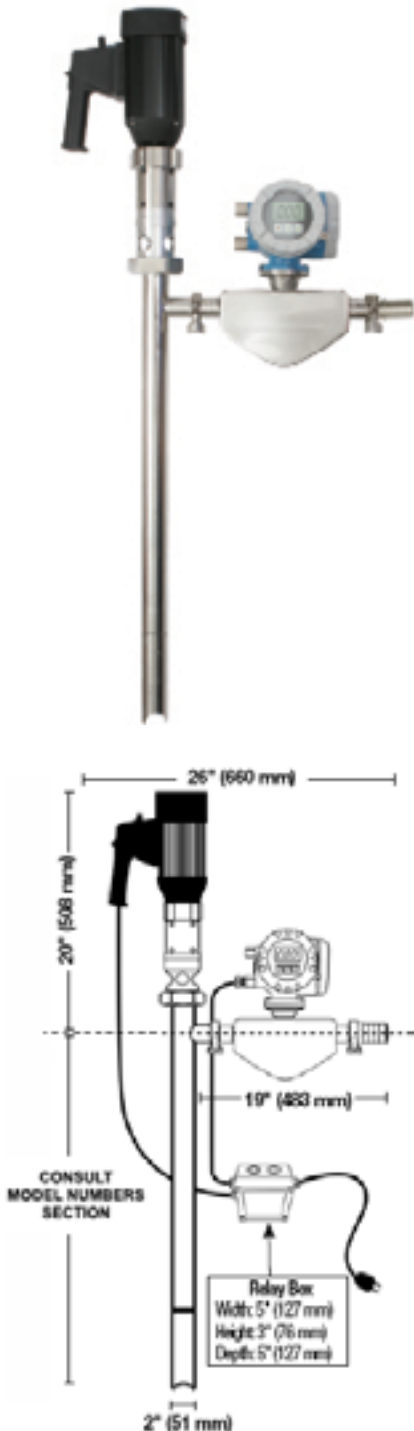
Features

- 3A (TPV) Certified Components
- FDA Compliant Materials
- Low Shear Design
- Easy to Clean
- Tri-Clamp Fittings
- Interface Capabilities: HART, PROFIBUS, PA/DP, FOUNDATION FIELDBUS
- Suitable for Conductive & Non-Conductive Solutions
- Quick Setup Menus for In-field Commissioning

Technical Specifications

Design:	Progressive Cavity / Positive Displacement
Immersion Length:	39" (1000 mm), 44" (1120mm) upon request
Wetted Components:	316SS, PTFE and SiC
Pump Finish:	32 Ra
Motor Drive:	SP-ENC (IP54), Variable Speed
Inlet/Discharge Size:	2" (51 mm) / 1.5" (38 mm)
Viscosity Range:	
P/N: 8500 (110v), 8501 (220v)	1-10,000 cps (mPAS)
P/N: 8513 (110v), 8514 (220v)	10,000-25,000 cps (mPAS)
Maximum Discharge Pressure:	
P/N: 8500 (110v), 8501 (220v)	3 bar based on water
P/N: 8513 (110v), 8514 (220v)	6 bar based on water
Maximum Flow Rate:	
P/N: 8500 (110v), 8501 (220v)	30,2 LPM based on water
P/N: 8513 (110v), 8514 (220v)	11,3 LPM based on water
Duty Cycle:	Intermittent (30 Min. Intervals)
System Weight:	26 kg
Maximum Temperature:	85° C
Maximum Solid Size:	.25" (6 mm)
Mechanical Seal:	SiC / Viton / SiC
Metering Principle:	Coriolis Mass Flow Meter Technology
Check Valve:	316 Stainless Steel
System Accuracy:	+/- .30% of Reading
Bag Liner Series:	Optional pump intake design available for applications with hygienic liners

Bag Liner Series
Pump Intake



Note: Pump and meter are constructed with FDA compliant materials.

Ultra Mass Series AIR | Batch Control System

- for non-conductive liquids -

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Common Applications

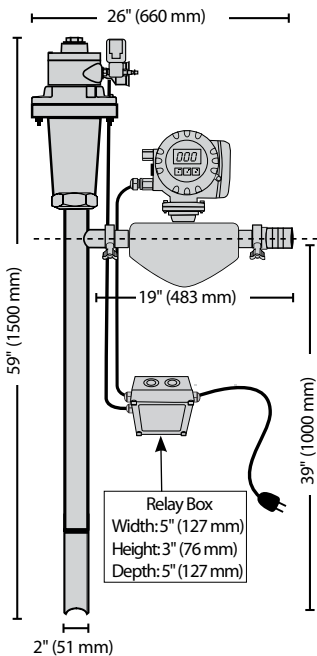
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Technical Specifications



Design:	Progressive Cavity / Positive Displacement
Immersion Length:	39" (1000 mm), 44" (1120mm) upon request
Wetted Components:	316SS & PTFE
Pump Finish:	32 Ra
Motor Drive:	SP-A4FP (1,5kW) AIR
Inlet/Discharge Size:	2" (51 mm) / 1.5" (38 mm)
Viscosity Range:	
P/N: 8540 (110v), 8541 (220v)	1-10,000 cps (mPAS)
P/N: 8550 (110v), 8551 (220v)	10,000-25,000 cps (mPAS)
Maximum Discharge Pressure:	
P/N: 8540 (110v), 8541 (220v)	3 bar based on water
P/N: 8550 (110v), 8551 (220v)	6 bar based on water
Maximum Flow Rate:	
P/N: 8540 (110v), 8541 (220v)	30,2 LPM based on water
P/N: 8550 (110v), 8551 (220v)	11,3 LPM based on water
Duty Cycle:	Intermittent (30 Min. Intervals)
System Weight:	26 kg
Maximum Temperature:	85° C
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Mechanical Seal:	SiC / Viton / SiC
Metering Principle:	Coriolis Mass Flow Meter Technology
Check Valve:	316 Stainless Steel
System Accuracy:	+/- .30% of Reading
Bag Liner Series:	Optional pump intake design available for applications with hygienic liners

Bag Liner Series
Pump Intake



Note: Pump and meter are constructed with FDA compliant materials.

Ultra Mag Series ELECTRIC| Batch Control System

- for conductive liquids -

The Sanitary Batch Control System is engineered for dosing and filling operations from drums, ToteTanks® and kettles - virtually hands free. This system utilizes a non-invasive Full Bore Magmeter for flow and volume measurement. Simply dial in desired volume, press enter, and the Ultra Mag delivers a preset volume of material. The system is an excellent solution for conductive food products, pharmaceutical ingredients and cosmetic materials.



Common Applications

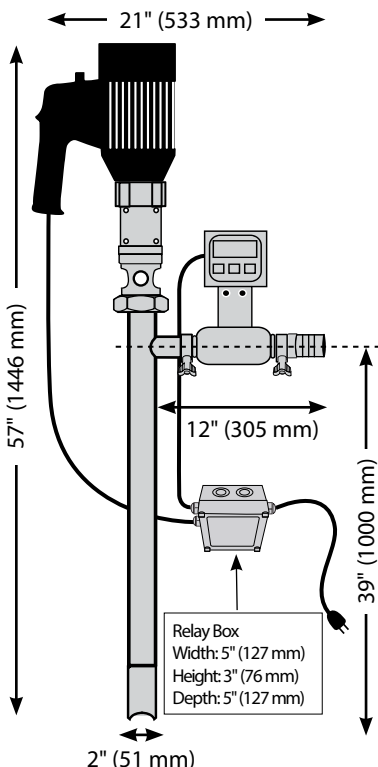
- Lotions
- Chocolate
- Juice Concentrates
- Brine
- Shampoo
- Pie Fillings
- Pharmaceuticals
- Tomato Paste

Features

- Large Graphic Display
- .05%+/- Repeatability
- Non-Invasive Measurement
- Max. Viscosity 25,000 cps (mPAS)
- Standard or Metric Units of Measure
- Tri-Clamp Fittings
- Low Shear Design
- Easy to Clean Design
- Multi-language Display
- Measures Volume
- 3A Certification

Technical Specifications

Design:	Progressive Cavity / Positive Displacement
Immersion Length:	39" (1000 mm), 44" (1120mm) upon request
Wetted Components:	316 SS & PTFE
Pump Finish:	32 Ra
Motor Drive:	SP-ENC (IP54), Variable Speed
Inlet/Discharge Size:	1.5" (38 mm)
Viscosity Range:	
P/N: 8300 (110v), 8301 (220v)	1-10,000 cps (mPAS)
P/N: 8313 (110v), 8314 (220v)	10,000-25,000 cps (mPAS)
Maximum Discharge Pressure:	
P/N: 8300 (110v), 8301 (220v)	3 bar based on water
P/N: 8313 (110v), 8314 (220v)	6 bar based on water
Maximum Flow Rate:	
P/N: 8300 (110v), 8301 (220v)	30,2 LPM based on water
P/N: 8313 (110v), 8314 (220v)	11,3 LPM based on water
Duty Cycle:	Intermittent (30 Min. Intervals)
System Weight:	24 Kg
Maximum Temperature:	100° C
Maximum Solid Size:	.25" (6 mm)
Mechanical Seal:	SiC / Viton / SiC
Metering Principle:	Full Bore Mag Flow Meter
Check Valve:	316 Stainless Steel
System Accuracy:	+/- 0.2% of reading (+/- .5% Repeatability)
Conductivity:	System requires 5 micro-semans (µS/cm) of conductivity
Bag Liner Series:	Optional pump intake design available for applications with hygienic liners



Bag Liner Series Pump Intake



Note: Pump and meter are constructed with FDA compliant materials.

Ultra Mag Series AIR| Batch Control System - for conductive liquids -

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- Chocolate
- Juice Concentrates
- Brine
- Shampoo
- Pie Fillings
- Pharmaceuticals
- Tomato Paste

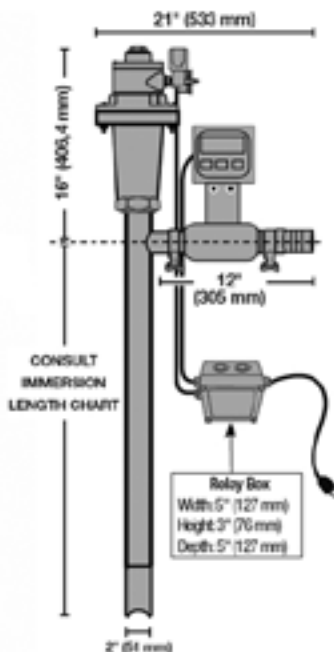
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Design:	Progressive Cavity / Positive Displacement
Immersion Length:	39" (1000 mm), 44" (1120mm) upon request
Wetted Components:	316 SS & PTFE
Pump Finish:	32 Ra
Motor Drive:	SP-A4FP (1,5kW) AIR
Inlet/Discharge Size:	1.5" (38 mm)
Viscosity Range:	
P/N: 8340 (110v), 8341 (220v)	1-10,000 cps (mPAS)
P/N: 8350 (110v), 8351 (220v)	10,000-25,000 cps (mPAS)
Maximum Discharge Pressure:	
P/N: 8340 (110v), 8341 (220v)	3 bar based on water
P/N: 8350 (110v), 8351 (220v)	6 bar based on water
Maximum Flow Rate:	
P/N: 8340 (110v), 8341 (220v)	30,2 LPM based on water
P/N: 8350 (110v), 8351 (220v)	11,3 LPM based on water
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