

Model VMF-28 BB™ Volumetric Screw Feeder with FIBC Bulk Bag (Super Sack) Unloader

- Automatic metering screw feeder for dispensing dry powdered or pelletized material into a secondary process
- Ideal for water, wastewater and chemical processing applications
- Hoist style bulk bag unloader/discharger
- Heavy-duty, gear-driven auger for metering mechanism
- Built-in hopper capacity of 5.0 cu. ft.
- Feed rate 0.03 to 50.0 cu. ft. per hour
- Accuracy of within 2% of volume
- Optional gravimetric feeding with integrated “Loss in Weight” system



Automatic Metering Screw Feed System for Mixing and Dispensing Dry Polymers into A Secondary Process from FBIC Super Sacks

The Model VMF-28 BB Volumetric Screw Feeder with FIBC Bulk Bag (Super Sack) Unloader has been designed to be an “all in one” option for adding an in-line dry chemical addition process fed by bulk bags. The VMF-28 BB is the perfect choice when you need to control the addition of medium to larger doses of dry chemicals to a process. MADE IN USA.

Standard Features

- Rugged steel frame protected by corrosion resistant finish
- FIBC bulk bag (super sack) hoist style unloader/discharger
- Built-in stainless steel gravity fed hopper
- Concentric helical overwind auger
- Stainless steel 0.75" to 3.25" diameter solid auger or 1.5" to 3.25" diameter open helix auger
- Water and dust proof NEMA 4X, SCR variable speed motor control capable of remote installation
- 90 VDC parallel shaft, wash down gear motor
- Integrated vibration mounts

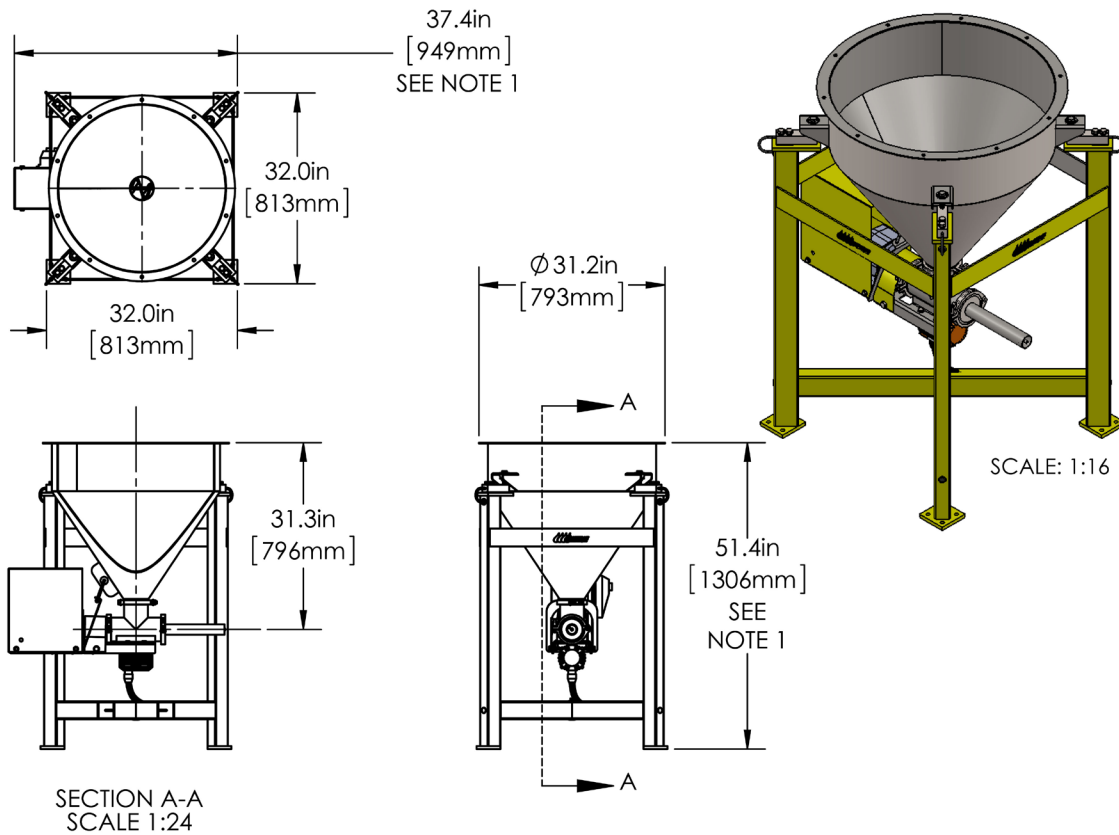
Chemicals

- Feeder and scale are designed to accurately dispense: Aluminum sulfate (alum), calcium hydroxide (hydrated lime), carbon, ferric and ferrous sulfate, magnesium hydroxide, polymers, potassium, soda ash, sodium sulfite and thiosulfate, and other dry powders or pelletized materials

Options

- Integrated “Loss in Weight” measurement system with four (4) load cells and Model AccuPro 5000 Digital controller
- FIBC bulk bag (super sack) fork lift style unloader
- Multiple discharge spout styles
- Custom auger styles and sizes
- SCADA programmable and HMI PLC touch screen motor controllers
- Washguard® and explosion proof motors
- Mixing tanks, wetting cones and eductors
- Vibratory agitators and particle crushers
- Dust collectors
- Base stands and elevated loading platforms

Model VMF-28 BB™ Volumetric Screw Feeder with FIBC Bulk Bag (Super Sack) Unloader Specifications



General Specifications

PART NUMBER	VMF-28 BB
Construction	304 Stainless steel and carbon steel with corrosion resistant zinc oxide primed, dry powder epoxy coating
Hopper Capacity	5.0 cu. ft. – custom sizes available
Feed Rate	0.03 to 50.0 cu. ft. per hour
Accuracy	2% of volume
Feed Screw	0.75" to 3.25" diameter solid auger or 1.5" to 3.25" diameter open helix auger in 304 or 316 stainless steel – custom sizes available
Overwind Helix	3.63" - 304 or 316 stainless steel
Controls	Variable speed DC NEMA 4X, SCR motor control (SCADA programmable and HMI PLC touch screen controllers available)
Control Input	4-20 mA
Motor Type	Parallel shaft, TENV 90 VDC, wash down gearmotor 1/8 HP, 14 RPM; 1/4 HP, 42 RPM; or 1/4 HP, 83 RPM
Available Motors	Washguard® - 1/3 HP, 1/2 HP, 3/4 HP or 1 HP motor and gearing; Explosion proof - 1/3 HP, 1/2 HP or 3/4 HP motor and gearing
Vibratory Agitator	Optional electric or pneumatic styles
Ambient Temperature Limit	10°C - 40°C
Power	115 VAC, 50-60 Hz, 4 Amps
Weight	Contact factory

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