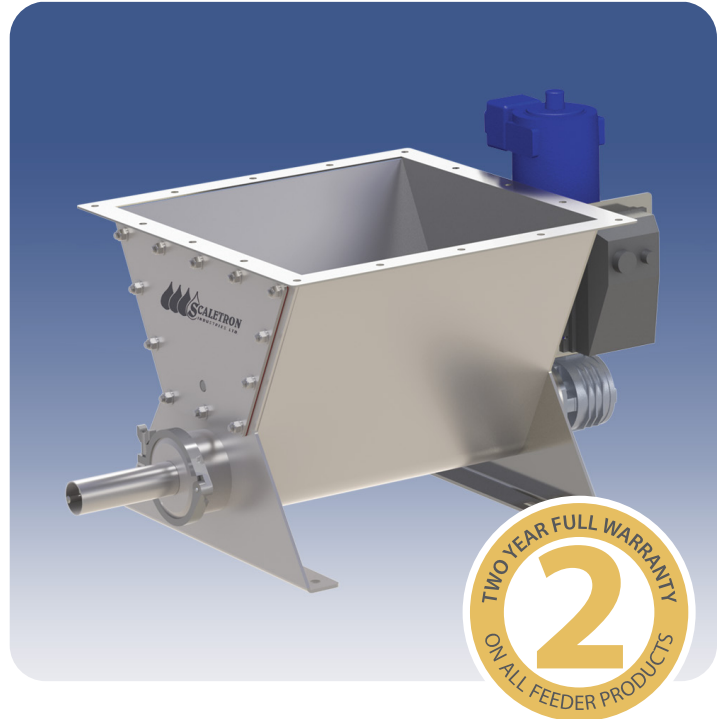


Model VMF-90A™ Volumetric Screw Feeder

- Automatic metering screw feed system for mixing and dispensing dry polymers into a secondary process
- Ideal for water, wastewater and chemical processing applications
- Heavy-duty, gear-driven auger for metering mechanism
- Built-in hopper capacity of 1.5 cu. ft.
- Feed rate 0.07 to 10.19 cu. ft. per hour
- Accuracy of within 1.0% 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

The Model VMF-90A Volumetric Screw Feeder has been designed to be a “stand alone” option for adding a simple volumetric feeding unit to any process. The VMF-90A is capable of accurately dispensing many common chemicals found in the water and waste water industries, as well as, a host of other industrial chemicals. MADE IN USA.

Standard Features

- Rugged, corrosion resistant stainless steel frame
- Built-in stainless steel gravity fed hopper with integrated load cell attachment point
- Stainless steel 0.50", 0.75" or 1.5" diameter solid auger with “bayonet” style connection
- Standard concentric material conditioning overwind auger
- Water and dust proof NEMA 4X, variable speed motor controller capable of remote installation
- 90 VDC right-angle geared, wash down motor

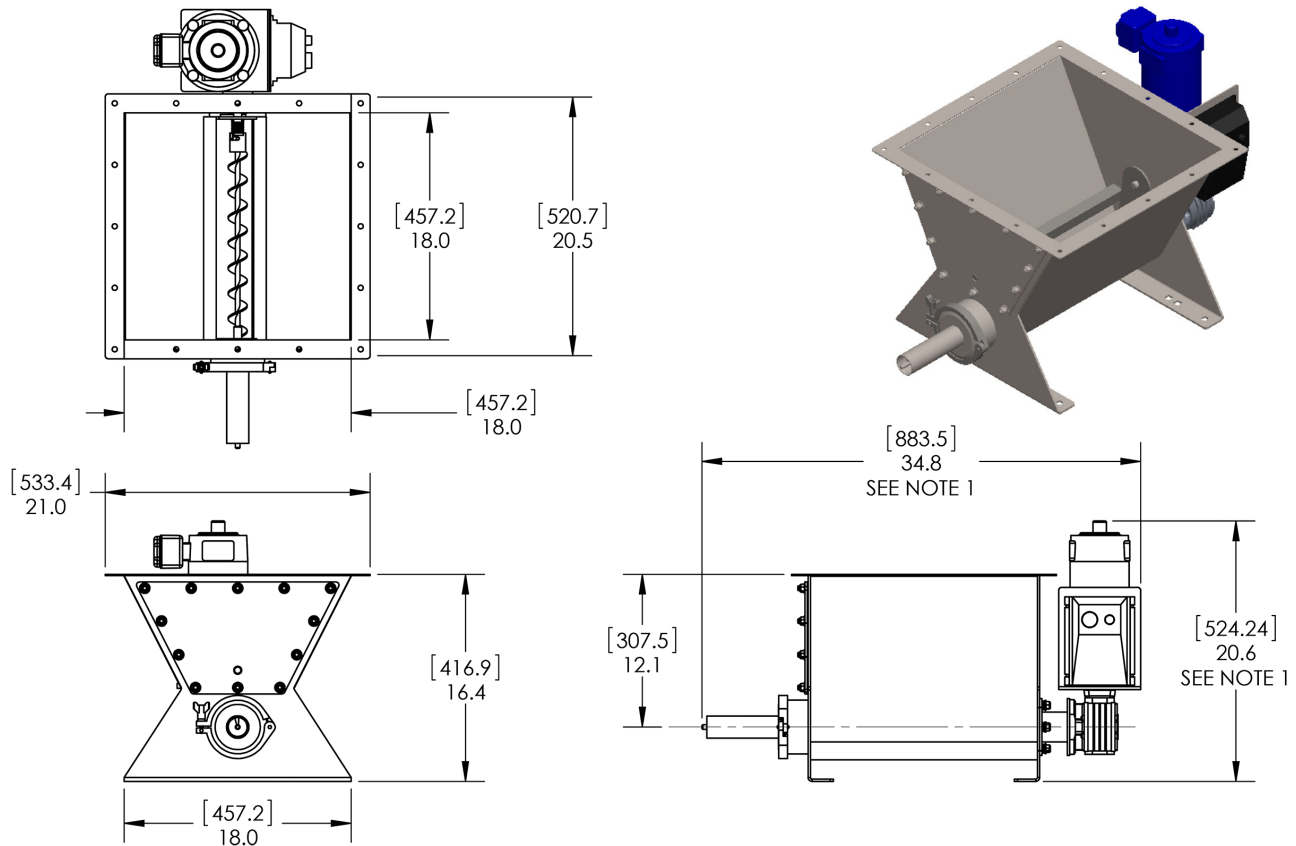
Chemicals

- 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 AccuPro 5000 Digital Controller
- 316 Stainless steel or dry powder epoxy coated carbon steel construction
- 316 Stainless steel augers and overwind helix augers
- Hopper extensions for additional capacity
- Lift-off cover with handle
- Single and bulk bag loaders
- SCADA programmable and HMI PLC touch screen motor controllers
- Washguard® and explosion proof motors
- Mixing tanks, wetting cones and eductors
- Electric or pneumatic vibratory agitators
- Dust collectors
- Feeder stands and leveling feet

Model VMF-90A™ Volumetric Screw Feeder Specifications



General Specifications

PART NUMBER	VMF-90A
Construction	304 Stainless steel
Hopper Capacity	1.5 cu. ft. – custom sizes available
Feed Rate	0.07 to 10.19 cu. ft. per hour
Accuracy	1% of volume
Feed Screw	0.50", 0.75" or 1.5" diameter solid auger in 304 or 316 stainless steel – custom sizes available
Overwind Helix	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	Right-angle geared, TENV 90 VDC, wash down motor 1/2 HP, 83 RPM
Available Motors	Washguard® - 1/2 HP motor and gearing; Explosion proof - 1/2 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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