SCALETRON™ INDUSTRIES, LTD.

SCALETRON™ SETS THE STANDARD IN CORROSION RESISTANCE™

Model VMF-90A™ Volumetric Screw Feeder

- **Automatic metering screw feed system for mixing and dispensing dry powdered or pelletized material 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 Powders 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 1.5 cu. ft. gravity fed hopper in 304 stainless steel with maintenance access hatch and integrated load cell attachment point
- 0.50", 0.75" or 1.5" Diameter solid auger in 304 stainless steel 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

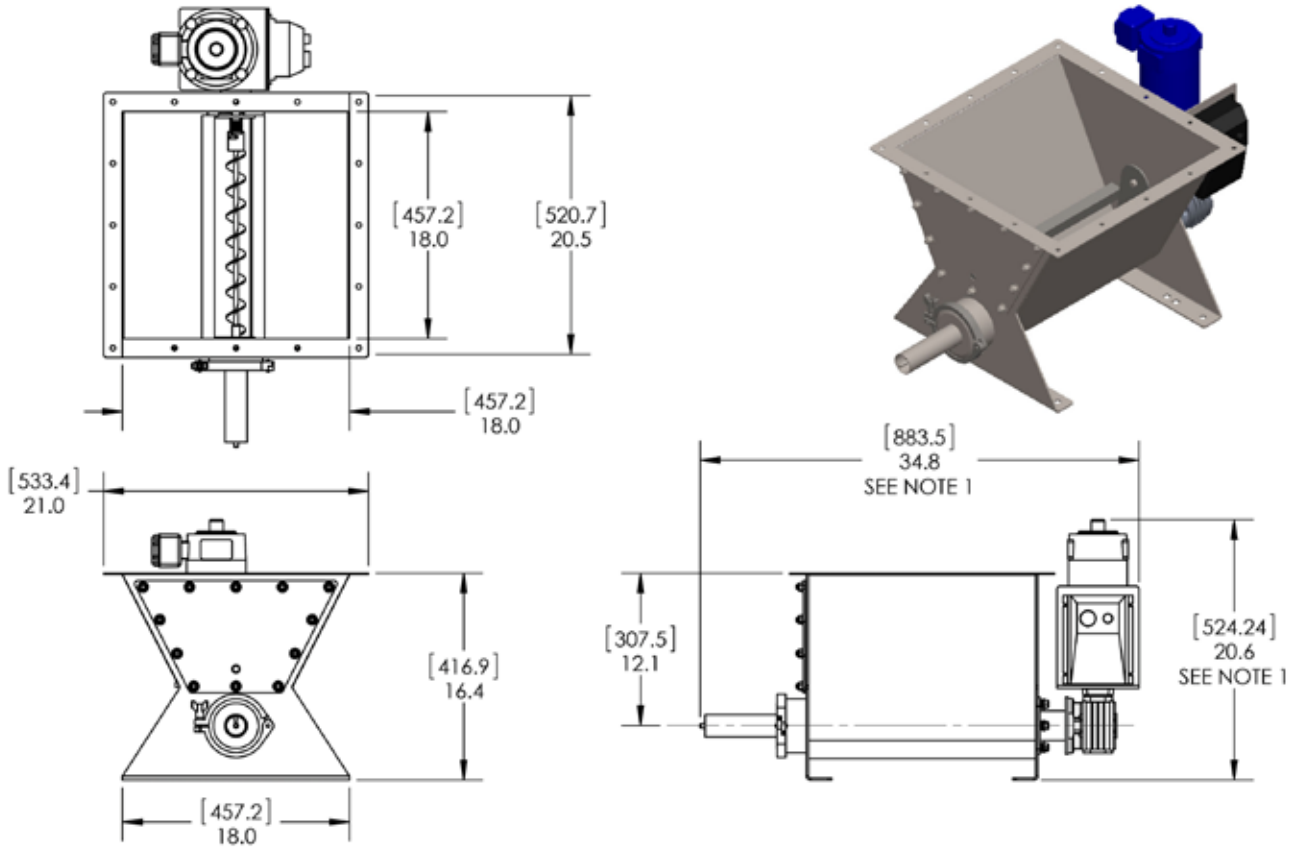
Chemicals

- 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, hinged, clamp-on and adapter lids
- 50 lb. and bulk bag loaders
- SCADA programmable and HMI PLC touch screen motor controllers
- Explosion proof motors
- Mixing tanks, wetting cones and eductors
- Vibratory agitators and particle crushers
- Dust collectors
- Feeder stands and elevated loading platforms
- Programmable controller module stand

Model VMF-90A™ Volumetric Screw Feeder Specifications



General Specifications

PART NUMBER	VMF-90A
Construction	304 Stainless steel - 316 stainless steel optional
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, Washguard® motor 1/2 HP, 83 RPM
Available Motors	Explosion proof - TENV 90 VDC 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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