



SCALETRON™ SETS THE STANDARD
IN CORROSION RESISTANCE™

Model VMF-28 SL™ Volumetric Screw Feeder with Silo Connection

- Automatic metering screw feeder for dispensing dry powdered or pelletized material into a secondary process
- Ideal for water, wastewater and chemical processing applications
- Designed for direct connection to silo
- 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

The Model VMF-28 SL Volumetric Screw Feeder with Silo Connection has been designed to be an “all in one” option for adding an in-line dry chemical addition process fed by silos. The VMF-28 SL 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
- Flexible iris or slide gate valve silo connector
- 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

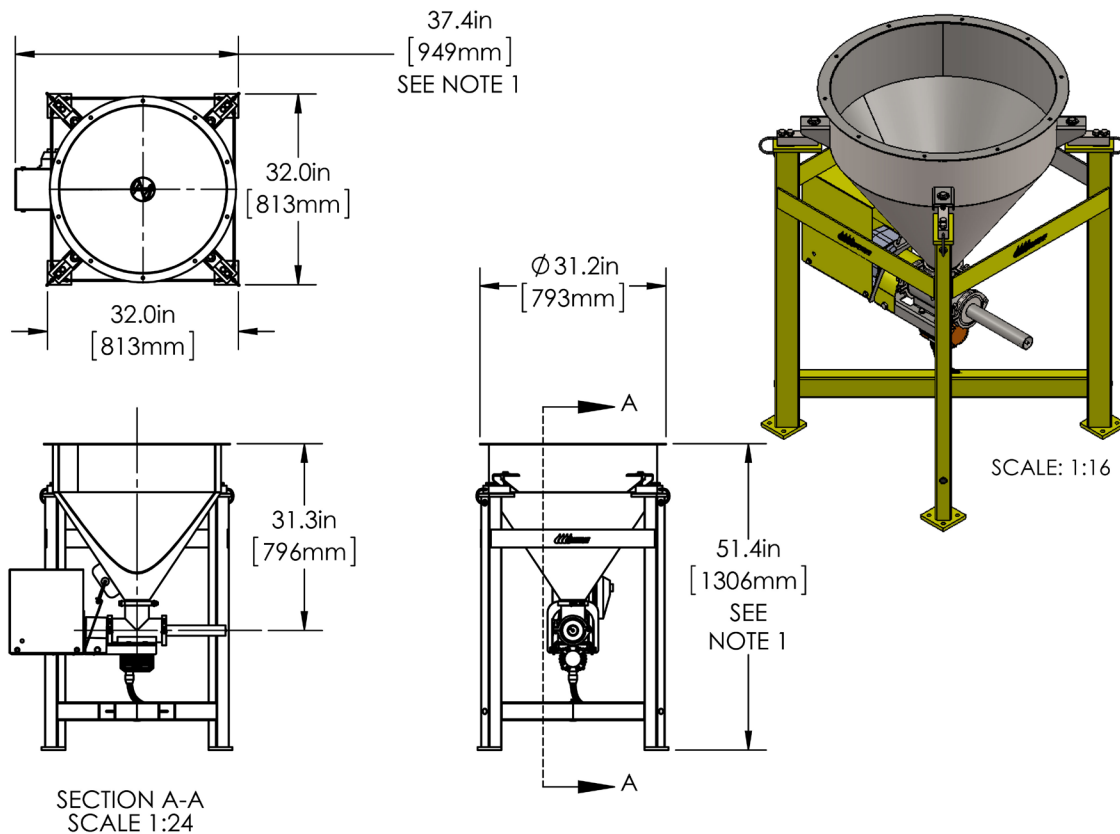
Options

- Integrated “Loss in Weight” measurement system with four (4) load cells and Model AccuPro 5000 Digital controller
- 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

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

Model VMF-28 SL™ Volumetric Screw Feeder with Silo Connection Specifications



General Specifications

PART NUMBER	VMF-28 SL
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" diameter - 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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