



SCALETRON™ SETS THE STANDARD
IN CORROSION RESISTANCE™

Model VMF-90D™ Volumetric Screw Feeder with Vibratory Agitator

- 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 0.77 to 7.73 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-90D Volumetric Screw Feeder with Vibratory Agitator has been designed to be an “off the shelf” option for upgrading or replacing existing volumetric feeding units. The VMF-90D 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 304 stainless steel construction
- Built-in 1.5 cu. ft. gravity fed hopper in 304 stainless steel with maintenance access hatch and integrated load cell attachment point
- 1.5" diameter open helix feed screw in 304 stainless steel with “bayonet” style connection
- Standard concentric material conditioning overwind auger
- Electric vibratory hopper agitator/material conditioner
- Water and dust proof NEMA 4X, variable speed motor controller capable of remote installation
- 90 VDC right-angle geared, wash down motor

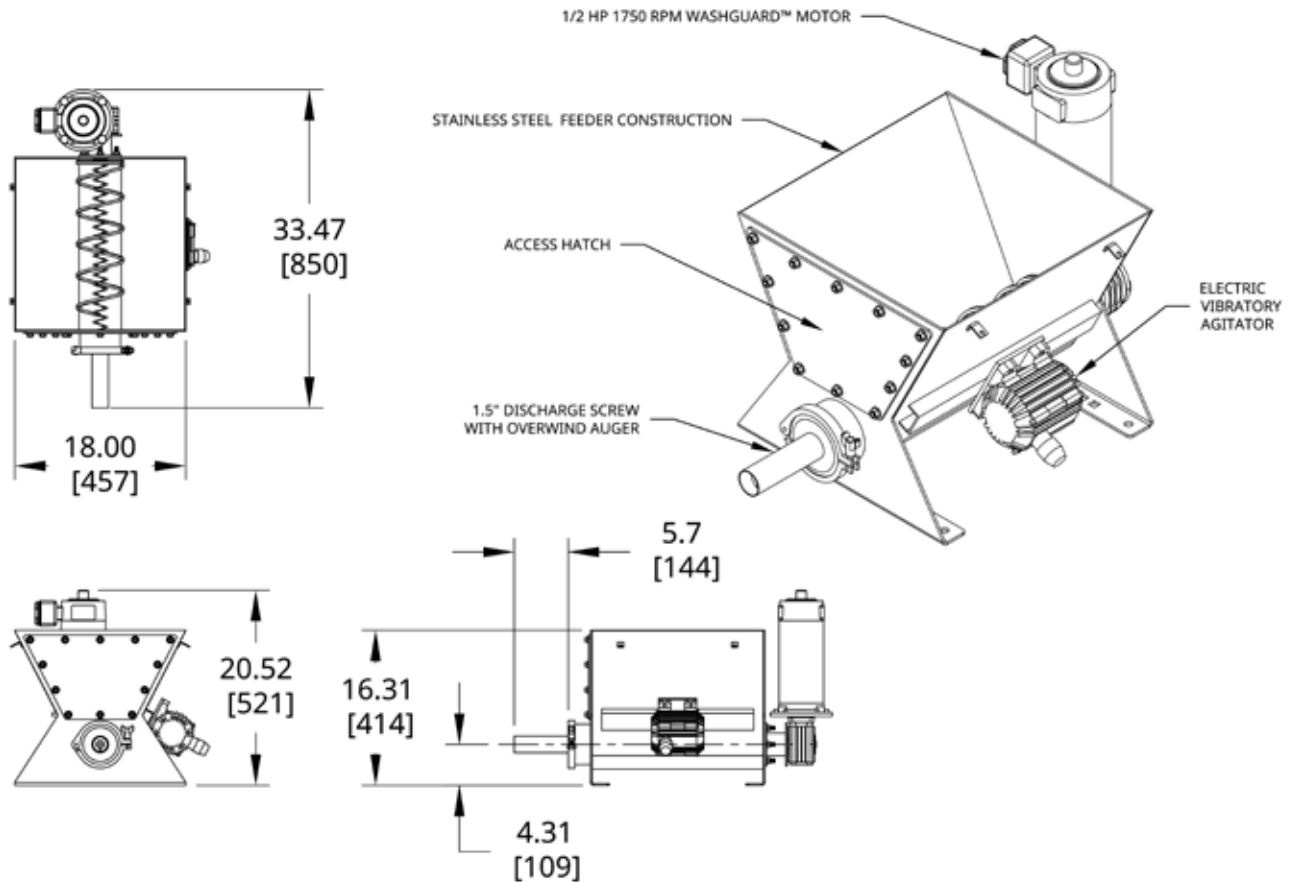
Options

- Integrated “Loss in Weight” measurement system with four (4) load cells and AccuPro 5000 Digital Controller
- 316 Stainless steel augers and overwind helix augers
- Explosion proof motors
- Pneumatic vibratory agitator
- Lift-off, hinged, clamp-on and adapter lids
- Feeder stands and elevated loading platforms
- Programmable controller module stand

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-90D™ Volumetric Screw Feeder with Vibratory Agitator Specifications



General Specifications

PART NUMBER	VMF-90D
Construction	304 Stainless steel - 316 stainless steel optional
Hopper Capacity	1.5 cu. ft.
Feed Rate	0.77 to 7.73 cu. ft. per hour
Accuracy	1% of volume
Feed Screw	1.5" diameter open helix feed screw in 304 or 316 stainless steel
Overwind Helix	Concentric overwind material conditioning auger in 304 or 316 stainless steel
Controls	Variable speed DC NEMA 4X, SCR motor control capable of remote installation
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	Electric (Pneumatic is optional)
Ambient Temperature Limit	10°C - 40°C
Power	115/230 VAC, 50-60 Hz, 4 Amps
Weight	Contact factory