

Model VMF-90F™ Volumetric Screw Feeder with Wetting Cone

- 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 3.6 cu. ft.
- Feed rate 0.36 to 3.56 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-90F Volumetric Screw Feeder with Wetting Cone has been designed to be an “all in one” skid package option for adding an in-line dry chemical addition process. The VMF-90F is the perfect choice when you need to control the addition of small to medium doses of dry chemicals to a process. MADE IN USA.

Standard Features

- Rugged, carbon steel construction with corrosion resistant zinc oxide primed, dry powder epoxy coating
- Built-in 3.6 cu. ft. gravity fed hopper 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
- Remote location mounted, programmable SCR motor controller with HMI screen in water and dust proof NEMA 4X stainless enclosure
- 90 VDC right-angle geared, wash down motor
- High volume wetting cone and 1.5" eductor

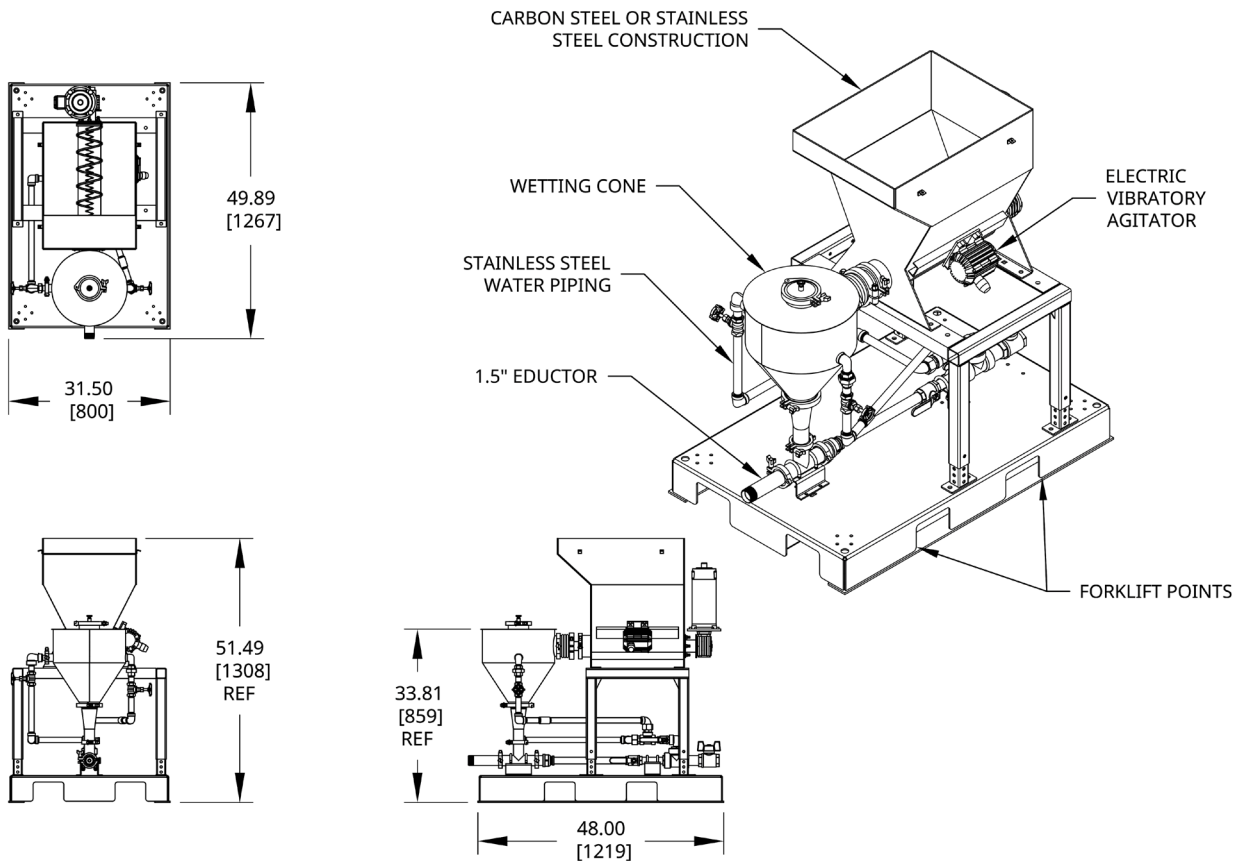
Options

- Integrated “Loss in Weight” measurement system with four (4) load cells and AccuPro 5000 Digital Controller
- All 304 or 316 stainless steel construction (except feeder stand and base)
- Explosion proof motors
- Vibratory agitators and particle crushers
- Dust collectors
- Single 50 lb. bag loader (carbon steel or 304 stainless)
- Lift-off, hinged, clamp-on and adapter lids
- Elevated loading platform
- 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-90F™ Volumetric Screw Feeder with Wetting Cone Specifications



General Specifications

PART NUMBER	VMF-90F
Construction	Carbon steel with corrosion resistant zinc oxide primed, dry powder epoxy coating - 304 or 316 stainless steel optional
Hopper Capacity	3.6 cu. ft.
Feed Rate	0.36 to 3.56 cu. ft. per hour
Accuracy	1% of volume
Feed Screw	1.5" diameter open helix feed screw in 304 stainless steel
Overwind Helix	Concentric overwind material conditioning auger in 304 or 316 stainless steel
Controls	Remote location mountable, programmable SCR controller module with HMI screen in stainless steel NEMA 4X enclosure
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)
Wetting Cone	High volume with 1.5" eductor
Ambient Temperature Limit	10°C - 40°C
Power	115/230 VAC, 50-60 Hz, 4 Amps
Weight	Contact factory

Scaleton Industries Ltd.

Bedminster Industrial Park
53 Apple Tree Lane • P.O. Box 365
Plumsteadville, PA 18949 • USA

Tel: (+1) 215-766-2670 (International)
Tel: (+1) 800-257-5911 (USA & Canada)
Fax: (+1) 215-766-2672

Email: info@scaletonscales.com
Website: www.scaletonscales.com