



SCALETRON™ SETS THE STANDARD
IN CORROSION RESISTANCE™

Model VMF-90E™ Volumetric Screw Feeder with Mixing Tank

- Automatic metering screw feed system for mixing and dispensing dry powdered or pelletized materials 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 1.02 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-90E Volumetric Screw Feeder with Mixing Tank has been designed to be an “all in one” skid package option for adding a solution tank type dry chemical addition process. VMF-90E is the perfect choice when you need to control the addition of small to medium solution doses of 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
- 35 Gal. solution mixing tank with mixer motor and propeller

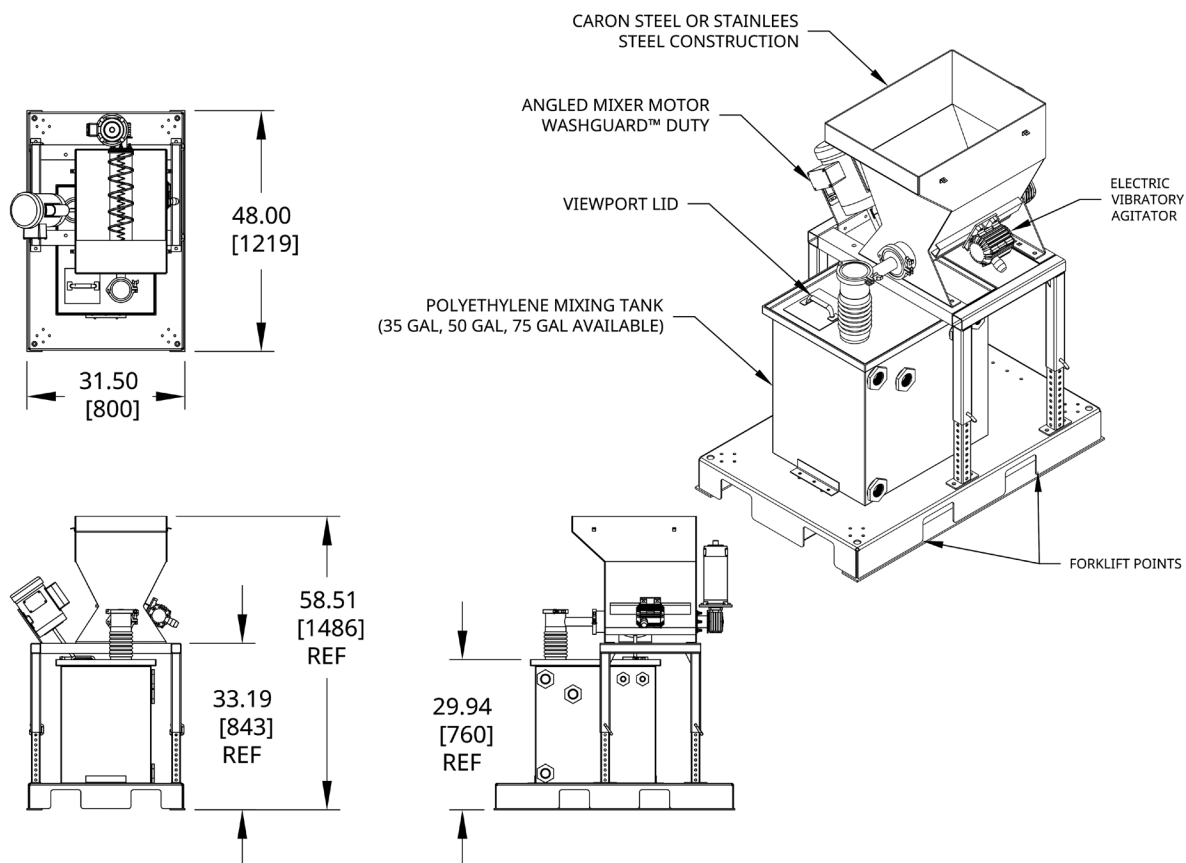
Options

- Integrated “Loss in Weight” measurement system with four (4) load cells and AccuPro 5000 Digital Controller
- All 304 stainless steel construction (except feeder stand and base)
- Explosion proof motors
- Vibratory agitators, particle crushers and dust collectors
- 50 or 75 Gal. solution mixing tank
- 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-90E™ Volumetric Screw Feeder with Mixing Tank Specifications



General Specifications

PART NUMBER	VMF-90E
Construction	Carbon steel with corrosion resistant zinc oxide primed, dry powder epoxy coating - 304 stainless steel optional (except feeder stand and base)
Hopper Capacity	3.6 cu. ft.
Feed Rate	1.02 to 10.19 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 stainless steel
Controls	Programmable SCR motor controller with HMI screen in water and dust proof NEMA 4X stainless enclosure 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 - 1/2 HP motor and gearing
Vibratory Agitator	Electric (Pneumatic is optional)
Mixing Tank	35, 50 or 75 Gal. with mixer motor and propeller
Ambient Temperature Limit	10°C - 40°C
Power	115/230 VAC, 50-60 Hz, 4 Amps
Weight	Contact factory

Scaletron 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@scaletronscales.com
Website: www.scaletronscales.com