



SCALETRON™ SETS THE STANDARD
IN CORROSION RESISTANCE™

Model VMF-90WT™ Volumetric Screw Feeder with Wallace & Tiernan Adapter

- 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 60 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

Designed as a direct replacement for Wallace & Tiernan 32-055 volumetric feeders, the new Scaleton VMF-90WT Volumetric Screw Feeder is an automatic, fully-featured volumetric feeding system 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
- 0.50", 0.75", 1.0", 1.5", 2.5" or 3.75" Diameter solid auger in 304 stainless steel solid auger 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
- High volume wetting cone and eductor or a 35, 50, or 75 gallon solution mixing tank with mixer motor and propeller.
- Feeder stand with corrosion resistant dry powder epoxy coating

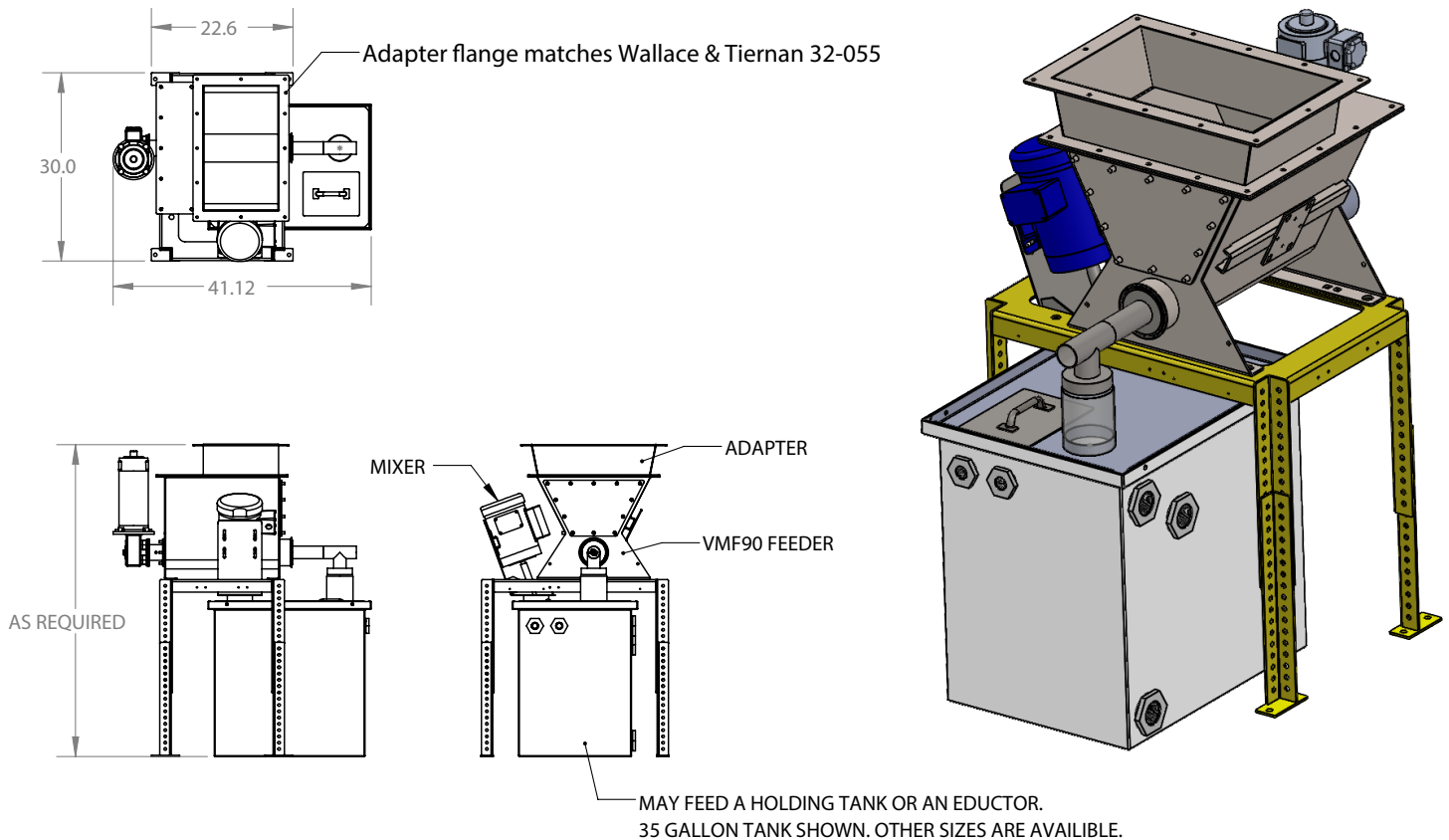
Options

- Integrated “Loss in Weight” measurement system with four (4) load cells 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 and clamp-on lids
- SCADA programmable and HMI PLC touch screen motor controllers
- Explosion proof motors
- Vibratory agitators and particle crushers
- Dust collectors
- 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-90WT™ Volumetric Screw Feeder with Wallace & Tiernan Adapter



General Specifications

PART NUMBER	VMF-90D
Construction	304 Stainless steel - 316 stainless steel optional
Hopper Capacity	1.5 cu. ft. – custom sizes available
Feed Rate	0.77 to 60 cu. ft. per hour
Accuracy	1% of volume
Feed Screw	0.50", 0.75", 1.0", 1.5", 2.5" or 3.75" 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 capable of remote installation (SCADA programmable and HMI PLC touch screen controllers available)
Control Input	4-20 mA
Motor Type	Right-angle geared, TENV 90VDC, 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
Mixing Tank	Optional 35, 50 or 75 gallon with mixer motor and propeller
Wetting Cone	Optional high volume with 1.5" eductor
Ambient Temperature Limit	10°C - 40°C
Power	115 VAC, 50-60 Hz, 4 Amps
Weight	Contact factory